Silicone Rubber Product Catalog

DOW®



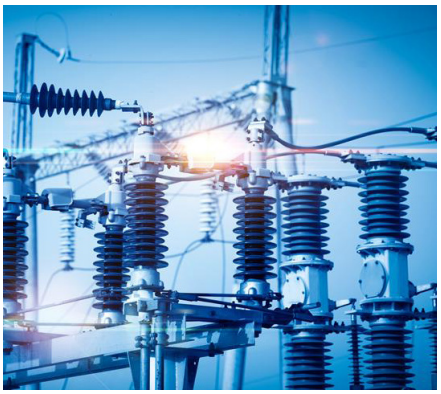


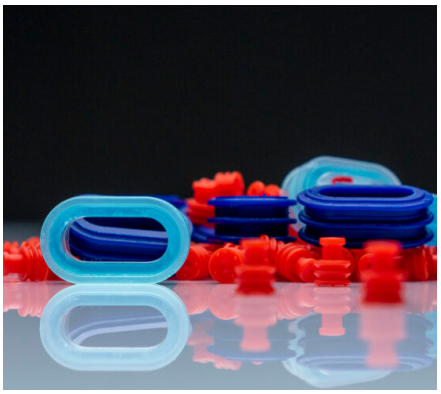




Dow Silicone Rubber

As a global leader in innovation and silicone technology, Dow silicone rubbers are used in rubber components for a wide range of applications. They enable the design and production of rubber components that are energy-efficient, durable, safe, and sustainable.
Dow's high-performance and versatile silicone rubbers offer advantages that cannot be achieved with other organic rubbers, including heat resistance, low-temperature flexibility, weatherability, chemical resistance, electrical properties, and compression characteristics.







A Broad Portfolio of Silicone Rubber and Additive Products

Silicone rubber is used in many applications. Dow Toray offers a comprehensive range of silicone rubber grades, curing agents, primers, colorants, and additives to help customers select the optimum material for the specifications and requirements of their target rubber products. The silicone rubber products listed in this catalog do not contain curing agents; please select an appropriate curing agent for use.

Curing Agent Portfolio

SILASTIC™ RC-3 40P Rubber Additive
SILASTIC™ RC-4 50P FD Rubber Additive
SILASTIC™ RC-8 Rubber Additive
SILASTIC™ RC-14 A Rubber Additive
SILASTIC™ RD-27 Rubber Additive
SILASTIC™ MR-91 Rubber Additive
SILASTIC™ RD-7 Rubber Additive
SILASTIC™ RD-9 Rubber Additive
SILASTIC™ RD-201 Rubber Additive
SILASTIC™ RD-4 Rubber Additive
SILASTIC™ RD-11 Rubber Additive

Contact Information

Sanyo Trading Co., Ltd., an authorized distributor of Dow silicone rubber products, markets and sells the silicone rubber products described in this catalog throughout Japan and the Asia-Pacific region. For inquiries regarding the products listed in this catalog, please contact the Sanyo Trading office in your respective region.

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HCR High Consistency Rubber

General Purpose 1

	Product Grade		General Purpose									
	Product Name		XIAMETER™ RBB-6630-30 Base	XIAMETER™ RBB-6640-40 Base	XIAMETER™ RBB-6650-50 Base	XIAMETER™ RBB-6661-60 Base	XIAMETER™ RBB-6671-70 Base	XIAMETER™ RBB-6660-60 Base	XIAMETER™ RBB-6670-70 Base	XIAMETER™ RBB-6680-80 Base	SILASTIC™ DY 32-5013 U Silicone Rubber	SILASTIC™ DY 32-6014 U Silicone Rubber
	Features		Translucent					Low shrinkage			Low yellowing	
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Off-white	Off-white	Off-white	Milky white Translucent	Milky white Translucent
	Plasticity*1 mm/100		200	190	230	260	260	250	310	390	210	230
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-8	SILASTIC™ RC-8
	Recommended Dosage*2		0.75	0.65	0.6	0.5	0.5	0.5	0.45	0.4	0.5	0.5
Properties After Curing	Hardness (JIS Type A)		30	40	51	60	70	61	70	84	51	60
	Density g/cm³		1.11	1.14	1.16	1.18	1.19	1.24	1.34	1.33	1.17	1.18
	Tensile Strength MPa		7.6	8.7	8.7	9.8	7.6	7.3	5.5	8.0	8.2	8.3
	Elongation %		740	580	390	450	320	280	330	170	570	430
	100%Modulus MPa		0.9	0.8	1.8	2.3	2.9	3.2	3.3	6.3	1.1	2.1
	Tear Strength	Crescent N/mm	10	11	7	9	10	7	11	12	12	12
		Angle N/mm	17	22	24	29	25	17	16	19	25	31
	Linear Shrinkage*3 %		3.3	3.3	3.2	3.2	3.4	2.9	2.7	2.8	3.5	3.7
	Rebound Resilience (Lupke method) %		54	56	66	60	55	66	52	48	56	56
	Compression Set (180°C/22h) %		41	32	19	27	22	21	26	32	20	17
	Dielectric Strength kV/mm		23	23	28	29	26	28	29	30	24	30
	Volume Resistivity TΩ·m		23	9	15	3	2	22	7	4	30	150
	Food Contact Regulations*4	US:FDA	○	○	○	○	○	○	○	○		○
		EU:BfR	○	○	○		○	○	○	×		
	Flammability UL94		HB	HB	HB		HB	HB	HB	HB		HB
Heat Resistance	200°C/72h	Hardness Change points	-5	-3	0	0	+3	-1	+1	+3	+3	+6
		Tensile Strength Change %	-37	-16	-18	-17	-8	0	+14	+3	-5	+3
		Elongation Change %	-8	-14	-13	-34	-33	-23	-30	-17	-17	-21
	250°C/72h	Hardness Change points	-19	-10	-8	-3	+1	-6	-3	+3	-1	+36
		Tensile Strength Change %	-75	-36	-35	-44	-38	-12	-8	-20	-33	0
		Elongation Change %	-21	-15	-15	-49	-59	-22	-48	-47	-42	-98
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-7	-7	-7	-3	-4	-5	-4	-4		
		Tensile Strength Change %	-9	-5	+8	-4	-4	+5	+13	+15		
		Elongation Change %	-5	-11	-8	-28	-34	-13	-20	+4		
		Volume Change %	+8	+7	+8	+7	+6	+6	+6	+6		
	IRM903 Oil 150°C/72	Hardness Change points	-18	-19	-19	-20	-23	-19	-20	-23		
		Tensile Strength Change %	-63	-58	-63	-19	-8	-25	-12	-4		
		Elongation Change %	-45	-46	-49	-35	-34	-33	-26	0		
		Volume Change %	+71	+61	+51	+48	+43	+43	+38	+37		

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

General Purpose 2

	Product Grade		General Purpose									
	Product Name		SILASTIC™ DY 32-7040 U Silicone Rubber	SILASTIC™ DY 32-8013 U Silicone Rubber	SILASTIC™ SE 8311 CVU Base	SILASTIC™ SE 8511 CVU Base	SILASTIC™ SE 8611 CVU Base	SILASTIC™ DY 32-805 U Silicone Rubber	SILASTIC™ DY 32-801 U Silicone Rubber	SILASTIC™ SH 853 U Silicone Rubber	SILASTIC™ SH 863 U Silicone Rubber	SILASTIC™ DY 32-872 U Silicone Rubber
	Features		Low yellowing		Reduced Volatiles			Injection Molding		Roto Cure	Improved mold release	Medium rebound
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Off-white	Milky white Translucent	Milky white Translucent	Milky white Translucent	Off-white	Milky white Translucent
	Plasticity*1 mm/100		280	330	190	220	250	220	240	260	270	230
	Curing Agent		SILASTIC™ RC-8	SILASTIC™ RC-8	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.5	0.5	0.75	0.6	0.5	0.6	0.6	0.6	0.5	0.6
Properties After Curing	Hardness (JIS Type A)		70	80	30	52	60	52	61	55	59	70
	Density g/cm³		1.21	1.24	1.11	1.16	1.24	1.16	1.18	1.16	1.23	1.19
	Tensile Strength MPa		7.8	7.4	8.6	10.1	8.1	10.4	9.8	10.6	8.0	12.0
	Elongation %		410	310	670	360	250	440	400	290	290	400
	100%Modulus MPa		3.0	4.2	0.5	1.7	3.3	1.6	2.0	2.2	2.9	2.4
	Tear Strength	Crescent N/mm	21	17	13	8	8	10	10	6	8	11
		Angle N/mm	31	26	18	25	26	21	26	27	20	27
	Linear Shrinkage*3 %		3.7	3.9	3.7	3.1	2.7	3.4	3.8	3.5	2.9	3.8
	Rebound Resilience (Lupke method) %		50	50	60	70	64	66	58	76	66	58
	Compression Set (180°C/22h) %		22	29	33	16	21	18	20	15	20	11
	Dielectric Strength kV/mm		28	30	22	22	23	24	25	23	24	30
	Volume Resistivity TΩ•m		14	6	27	58	40	19	48	56	45	85
	Food Contact Regulations*4	US:FDA	○				○		○			
		EU:BfR								○		
	Flammability UL94		HB	HB				HB			HB	
Heat Resistance	200°C/72h	Hardness Change points	+3	-1	0	+2	0	+1	+5	+4	0	+2
		Tensile Strength Change %	-2	+4	-25	-13	-3	-18	-10	-18	-10	-22
		Elongation Change %	-22	-24	-13	-9	0	-13	-10	-11	-5	-19
	250°C/72h	Hardness Change points	+4	+4	-12	-3	-4	-3	+3	0	-6	+10
		Tensile Strength Change %	-29	-17	-55	-53	-35	-54	-49	-59	-38	-53
		Elongation Change %	-60	-64	-9	-39	-34	-33	-45	-43	-37	-68
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points		-2	-11	-9	-6	-8	-6	-5	-7	-6
		Tensile Strength Change %		-9	-30	-15	+1	-10	-10	-25	-4	-22
		Elongation Change %		-37	+2	-1	+29	+5	0	-10	+11	-15
		Volume Change %		+5	+7	+5	+5	+6	+5	+5	+5	+5
	IRM903 Oil 150°C/72h	Hardness Change points		-26	-20	-19	-20	-20	-25	-17	-20	-26
		Tensile Strength Change %		-2	-70	-45	-31	-42	-35	-44	-36	-37
		Elongation Change %		-16	-37	-25	+5	-22	-17	-25	-6	-25
		Volume Change %		+39	+65	+48	+45	+50	+45	+45	+46	+43

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Low Hardness / Filler Loading

	Product Grade		Low hardness			Filler Loading		
	Product Name		SILASTIC™ DY 32-1005 U Silicone Rubber	XIAMETER™ RBB-6610-10 Base	SILASTIC™ DY 32-152 U Silicone Rubber	SILASTIC™ SH 432 Base	SILASTIC™ SH 433 Base	SILASTIC™ DY 32-583 U Silicone Rubber
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Light Tan	Milky white Translucent
	Plasticity*1 mm/100		140	120	140	170	170	130
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.6	0.8	0.8	1.0	1.0	1.0
Properties After Curing	Hardness (JIS Type A)		5	8	17	30	32	9
	Density g/cm³		1.05	1.04	1.06	1.09	1.09	1.06
	Tensile Strength MPa		2.2	3.5	2.9	7.0	6.1	4.5
	Elongation %		1060	1500	950	700	630	1590
	100%Modulus MPa		0.1	0.2	0.2	0.5	0.5	0.2
	Tear Strength	Crescent N/mm	4	5	16	9	8	10
		Angle N/mm	7	6	13	13	16	8
	Linear Shrinkage*3 %		3.8	4.3	4.3	4.5	4.3	6.8
	Rebound Resilience (Lupke method) %		27	43	35	61	68	40
	Compression Set (180°C/22h) %		79	49	49	23	12	67
	Dielectric Strength kV/mm		20	21	26	29	25	25
	Volume Resistivity TΩ•m		2	42	24	43	18	50
	Food Contact Regulations*4	US:FDA	○	○		○		
		EU:BfR		○		○		
Heat Resistance	200°C/72h	Hardness Change points	-4	-4	0			
		Tensile Strength Change %	-39	-37	-13			
		Elongation Change %	-31	-6	-34			
	250°C/72h	Hardness Change points	+52	-9	+55			
		Tensile Strength Change %	-5	-57	-37			
		Elongation Change %	-92	-57	-98			

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For XIAMETER™ RBB-6610-10 and SILASTIC™ DY 32-152 U, the test specimens are prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 2 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Medium Strength / High Strength

	Product Grade		Medium strength					High strength			
	Product Name		XIAMETER™ RBB-2004-40 Base	XIAMETER™ RBB-2004-50 Base	XIAMETER™ RBB-2004-60 Base	XIAMETER™ RBB-2004-70 Base	XIAMETER™ RBB-2004-80 Base	SILASTIC™ SH 35 U Silicone Rubber	SILASTIC™ SH 55 UN Silicone Rubber	SILASTIC™ SH 55 UA Silicone Rubber	SILASTIC™ SH 75 UN Silicone Rubber
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Light yellow	Light yellow	Light yellow	Light yellow
	Plasticity*1 mm/100		190	230	250	300	290	200	290	240	290
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-14 A	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-14 A	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.6	0.6	0.5	0.5	0.5	0.85	1.0	0.8	1.2
Properties After Curing	Hardness (JIS Type A)		43	52	58	68	78	37	44	48	67
	Density g/cm³		1.11	1.14	1.15	1.18	1.20	1.11	1.16	1.15	1.19
	Tensile Strength MPa		10.3	10.6	9.8	9.4	9.5	6.5	11.9	10.0	11.3
	Elongation %		920	770	670	510	370	700	820	730	550
	100%Modulus MPa		0.8	1.1	1.4	2.4	3.9	0.7	1.0	1.1	2.9
	Tear Strength	Crescent N/mm	30	25	23	19	12	26	34	27	45
		Angle N/mm	27	26	27	26	24	22	34	26	44
	Linear Shrinkage*3 %		3.5	3.6	3.6	3.8	3.5	4.6	3.8	2.8	4.0
	Rebound Resilience (Lupke method) %		57	53	54	50	52	50	58	50	56
	Compression Set (180℃/22h) %		39	35	36	37	31	43	22	50	12
	Dielectric Strength kV/mm		27	29	29	32	32	28	26	27	25
	Volume Resistivity TΩ•m		470	420	210	310	370	30	25	33	23
	Food Contact Regulations*4	US:FDA	○	○	○	○		×	×	×	×
		EU:BfR	○	○	○	○					
Heat Resistance	200℃/72h	Hardness Change points	+4	+3	+5	+2	+6	+4	+7	+9	+3
		Tensile Strength Change %	-33	-11	-3	-5	-10	-3	-16	-13	-12
		Elongation Change %	-25	-14	-28	-35	-42	-15	-25	-22	-27
	250℃/72h	Hardness Change points	+47	+42	+34	+26	+18	+7	+8	+7	+8
		Tensile Strength Change %	-25	-23	-20	+9	+23	-47	-75	-45	-51
		Elongation Change %	-98	-97	-98	-97	-97	-64	-76	-53	-81
Oil Resistance	IRM901 Oil 150℃/72h	Hardness Change points	-2	-3	-4	-3	-2	-9	-4	-8	-6
		Tensile Strength Change %	-38	-23	-16	-31	-31	-14	-18	-6	-14
		Elongation Change %	-27	-23	-26	-47	-48	-5	-14	-5	-19
		Volume Change %	+7	+7	+6	+6	+6	+7	+7	+7	+6
	IRM903 Oil 150℃/72h	Hardness Change points	-18	-24	-26	-28	-25	-17	-22	-28	-19
		Tensile Strength Change %	-68	-52	-40	-37	-31	-66	-61	-63	-40
		Elongation Change %	-59	-49	-45	-41	-42	-49	-40	-44	-40
		Volume Change %	+64	+59	+52	+48	+42	+70	+62	+64	+46

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ SH 35 U and SILASTIC™ SH 55 UA, the test specimens are prepared by primary curing at 120°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Extrusion (General) 1

	Product Grade		Extrusion (General)								
	Product Name		XIAMETER™ RBB-2070-50 Base	XIAMETER™ RBB-2070-60 Base	XIAMETER™ RBB-2070-70 Base	SILASTIC™ DY 32-4104 U Silicone Rubber	SILASTIC™ DY 32-5104 U Silicone Rubber	SILASTIC™ DY 32-6104 U Silicone Rubber	SILASTIC™ DY 32-5102 U Silicone Rubber	SILASTIC™ DY 32-4107 U Silicone Rubber	SILASTIC™ DY 32-5107 U Silicone Rubber
	Features		General purpose (addition-cure compatible)			Low compression set			Curry Stain Resistant	High tear strength	
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Gray White	Milky white Translucent	Milky white Translucent
	Plasticity*1 mm/100		230	270	290	200	220	290	240	180	270
	Curing Agent		SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RD-7 / SILASTIC™ MR-91 / SILASTIC™ RD-201	SILASTIC™ RD-7 / SILASTIC™ MR-91 / SILASTIC™ RD-201	SILASTIC™ RD-7 / SILASTIC™ MR-91 / SILASTIC™ RD-201	SILASTIC™ RD-7 / SILASTIC™ MR-91 / SILASTIC™ RD-201	SILASTIC™ RD-7 / SILASTIC™ MR-91 / SILASTIC™ RD-201	SILASTIC™ RD-7 / SILASTIC™ RD-27 / SILASTIC™ RD-9
	Recommended Dosage*2		1.0	1.0	1.0	0.6 / 0.6 / 0.5	1.0 / 0.8 / 0.4	1.0 / 0.8 / 0.3	1.0 /1.0 / 1.6	0.6 / 0.6 / 0.4	0.4/1.0/0.14
Properties After Curing	Hardness (JIS Type A)		51	61	70	40	53	63	55	35	50
	Density g/cm³		1.14	1.18	1.20	1.13	1.14	1.18	1.18	1.14	1.16
	Tensile Strength MPa		9.1	9.9	9.1	8.9	8.3	9.9	7.6	5.9	10.0
	Elongation %		570	580	480	810	540	550	310	570	880
	100%Modulus MPa		1.1	1.5	2.5	0.8	1.3	2.0	2.7	0.8	0.9
	Tear Strength	Crescent N/mm	11	12	16	21	6	8	37	27	35
		Angle N/mm	29	32	35	26	28	32	22	27	11
	Linear Shrinkage*3 %		2.3	2.3	2.4	3.2	3.0	2.9	2.8	2.9	3.3
	Rebound Resilience (Lupke method) %		56	49	49	59	63	59	81	79	50
	Compression Set (180°C/22h) %		32	58	60	28	13	19	9	13	34
	Dielectric Strength kV/mm		30	32	33	27	27	29	28	25	29
	Volume Resistivity TΩ•m		240	230	210	32	35	51	45	73	33
	Food Contact Regulations*4	US:FDA	○	○	○	×		○	○	×	○
		EU:BfR	○	○	○						
Heat Resistance	200°C/72h	Hardness Change points	+5	+6	+5	0	+5	+5	+2	-2	+8
		Tensile Strength Change %	+17	+7	+4	-21	-7	-14	-14	+7	-3
		Elongation Change %	-14	-23	-32	-21	-15	-26	-23	+1	-25
	250°C/72h	Hardness Change points	+34	+30	+20	+43	+34	+27	+17	+43	+38
		Tensile Strength Change %	-36	-24	-6	-49	-31	-19	-39	-3	-32
		Elongation Change %	-94	-94	-96	-96	-95	-95	-84	-92	-96
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-6	-5	-4	-9	-8	-7	-7	-12	-7
		Tensile Strength Change %	0	-11	-16	-30	-13	-24	-25	-8	-23
		Elongation Change %	-9	-22	-30	-18	-14	-27	-23	+4	-17
		Volume Change %	+6	+6	+6	+5	+5	+5	+6	+6	+6
	IRM903 Oil 150°C/72h	Hardness Change points	-26	-31	-30	-21	-22	-26	-14	-16	-28
		Tensile Strength Change %	-52	-38	-21	-68	-49	-37	-38	-53	-57
		Elongation Change %	-40	-38	-30	-50	-40	-32	-28	-41	-42
		Volume Change %	+57	+54	+48	+62	+52	+49	+45	+62	+65

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 2 h

For XIAMETER™ RBB-2070 series, the test specimens are prepared by primary curing at 120°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ DY 32-5102 U, the test specimens are prepared by primary curing at 150°C for 10 min and post-curing at 200°C for 2 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Extrusion (General) 2

	Product Grade		Extrusion (General)				
	Product Name		SILASTIC™ SE 1643 U Silicone Rubber	SILASTIC™ SE 1644 U Silicone Rubber	SILASTIC™ SE 1645 U Silicone Rubber	SILASTIC™ SE 1646 U Silicone Rubber	SILASTIC™ SE 1647 U Silicone Rubber
	Features		General purpose				
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent
	Plasticity*1 mm/100		190	190	240	260	280
	Curing Agent		SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A
	Recommended Dosage*2		1.0	1.2	1.3	1.5	1.6
Properties After Curing	Hardness (JIS Type A)		31	44	53	62	73
	Density g/cm³		1.13	1.10	1.14	1.16	1.18
	Tensile Strength MPa		9.5	7.6	8.6	10.2	10.8
	Elongation %		1150	480	470	390	300
	100%Modulus MPa		0.4	0.9	1.2	2.0	3.6
	Tear Strength	Crescent N/mm	34	8	12	14	11
		Angle N/mm	48	13	25	26	34
	Linear Shrinkage*3 %		3.0	2.7	2.9	2.8	2.9
	Rebound Resilience (Lupke method) %		29	67	57	58	63
	Compression Set (180°C/22h) %		99	35	49	52	57
	Dielectric Strength kV/mm		23	20	28	27	31
	Volume Resistivity TΩ・m		86	21	19	45	10
	Food Contact Regulations*4	US:FDA				○	
		EU:BfR					
Heat Resistance	200°C/72h	Hardness Change points	+3	+3	+7	+4	+5
		Tensile Strength Change %	-47	-13	+6	-8	-21
		Elongation Change %	-16	-17	-19	-19	-32
	250°C/72h	Hardness Change points	+13	+22	+21	+19	+15
		Tensile Strength Change %	-32	-47	-31	-38	-40
		Elongation Change %	-60	-85	-81	-87	-89
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-10	-14	-14	-13	-7
		Tensile Strength Change %	-53	-23	-2	-14	-32
		Elongation Change %	+3	0	+19	+3	-23
		Volume Change %	+6	+6	+5	+5	+5
	IRM903 Oil 150°C/72h	Hardness Change points	-27	-26	-31	-30	-27
		Tensile Strength Change %	-74	-61	-51	-51	-43
		Elongation Change %	-31	-37	-29	-28	-29
		Volume Change %	+87	+63	+58	+51	+43

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 120°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Extrusion (High Transparency)

	Product Grade		Extrusion (High Transparency)					
	Product Name		XIAMETER™ SE 1184 U Silicone Rubber	XIAMETER™ SE 1185 U Silicone Rubber	XIAMETER™ SE 1186 U Silicone Rubber	XIAMETER™ SE 1187 U Silicone Rubber	XIAMETER™ SE 1188 U Silicone Rubber	SILASTIC™ DY 32-7100 U Silicone Rubber
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent
	Plasticity*1 mm/100		220	230	300	320	370	350
	Curing Agent		SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RD-7 / SILASTIC™ MR-91 / SILASTIC™ RD-201
	Recommended Dosage*2		1.3	1.3	1.3	1.3	1.3	0.8 / 0.4 / 0.5
Properties After Curing	Hardness (JIS Type A)		36	51	63	73	81	72
	Density g/cm^3		1.14	1.14	1.19	1.20	1.23	1.20
	Tensile Strength MPa		9.9	10.6	10.2	9.2	10.7	8.9
	Elongation %		1030	580	570	390	320	430
	100%Modulus MPa		0.5	1.1	1.5	3.1	3.9	3.0
	Tear Strength	Crescent N/mm	28	11	18	11	11	24
		Angle N/mm	26	24	24	24	21	33
	Linear Shrinkage*3 %		2.5	2.4	2.4	2.6	2.8	3.3
	Rebound Resilience (Lupke method) %		17	42	36	43	50	57
	Compression Set (180°C/22h) %		102	73	88	79	84	36
	Dielectric Strength kV/mm		26	30	27	28	28	33
	Volume Resistivity TΩ・m		33	240	19	26	17	54
	Food Contact Regulations*4	US:FDA	○	○	○	○	○	○
		EU:BfR	○					
	Flammability UL94		HB					
Heat Resistance	200°C/72h	Hardness Change points	+6	+6	+5	+6	+4	+6
		Tensile Strength Change %	-24	-6	-1	+12	+2	-10
		Elongation Change %	-27	-24	-28	-26	-44	-30
	250°C/72h	Hardness Change points	+25	+31	+22	+17	+14	+22
		Tensile Strength Change %	-45	-47	-24	+21	+59	+1
		Elongation Change %	-88	-93	-92	-89	-89	-96
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-11	-5	-5	-2	-2	-4
		Tensile Strength Change %	-61	-20	-29	-16	-22	-14
		Elongation Change %	-23	-16	-28	-30	-44	-22
		Volume Change %	+8	+7	+7	+6	+6	+6
	IRM903 Oil 150°C/72h	Hardness Change points	-29	-25	-31	-26	-25	-28
		Tensile Strength Change %	-79	-59	-44	-20	-18	-15
		Elongation Change %	-47	-27	-37	-30	-23	-19
		Volume Change %	+77	+57	+54	+43	+40	+47

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 120°C for 10 min and post-curing at 250°C for 1 h

For SILASTIC™ DY 32-7100 U, the test specimens are prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 2 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

High Fatigue Life

	Product Grade		High Fatigue Life							
	Product Name		SILASTIC™ SE 4704 U Silicone Rubber	SILASTIC™ SE 4705 U Silicone Rubber	SILASTIC™ SE 4706 U Silicone Rubber	SILASTIC™ SE 4707 U Silicone Rubber	SILASTIC™ SE 4708 U Silicone Rubber	SILASTIC™ SE 4709 U Silicone Rubber	SILASTIC™ DY 32-765 U Silicone Rubber	SILASTIC™ DY 32-336 U Silicone Rubber
	Features		General					Medium strength	High rebound	High tear strength
	Appearance		Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Milky white Translucent	Light yellow
	Plasticity*1 mm/100		200	190	210	220	260	260	190	180
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5
Properties After Curing	Hardness (JIS Type A)		41	52	60	71	79	85	51	62
	Density g/cm³		1.12	1.11	1.12	1.14	1.16	1.19	1.13	1.12
	Tensile Strength MPa		10.9	8.7	8.4	9.2	8.2	9.9	7.4	7.6
	Elongation %		750	420	270	220	150	110	250	320
	100% Modulus MPa		0.8	1.4	2.9	4.5	6.1	9.3	2.0	3.3
	Tear strength	Crescent N/mm	20	14	10	8	7	6	5	20
		Angle N/mm	27	31	29	26	22	16	17	32
	Linear Shrinkage*3 %		3.7	3.9	3.7	3.6	3.6	3.4	3.4	3.7
	Rebound Resilience (Lupke method) %		64	65	70	64	68	65	83	75
	Compression Set (180°C/22h) %		34	18	18	18	18	17	8	15
	Dielectric Strength kV/mm		25	27	27	29	32	32	24	25
	Volume Resistivity TΩ•m		280	210	510	96	310	110	34	61
	Fatigue life (100% elongation) million times		3.0	2.2	1.8	1.2	0.1	*5	3.5	4.3
	Food Contact Regulations*4	US:FDA	○	○	○	○	○	○	○	
		EU:BfR	○			○				
	Flammability UL94		HB	HB	HB		HB		HB	HB
Heat Resistance	200°C/72h	Hardness Change points	-1	0	0	+4	+3	+2	-1	+2
		Tensile Strength Change %	-19	-15	-24	-20	-10	-9	+6	-5
		Elongation Change %	-8	-12	-30	-33	-30	-36	+2	-7
	250°C/72h	Hardness Change points	+46	+35	+28	+17	+12	+7	-11	-2
		Tensile Strength Change %	-74	-25	-35	-39	-39	-17	-57	-45
		Elongation Change %	-98	-93	-93	-91	-91	-86	-37	-50
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points							-6	-5
		Tensile Strength Change %							-4	-16
		Elongation Change %							-1	-14
		Volume Change %							+5	+5
	IRM903 Oil 150°C/72h	Hardness Change points							-14	-15
		Tensile Strength Change %							-28	-35
		Elongation Change %							-22	-31
		Volume Change %							+47	+46

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

*5 SILASTIC™ SE 4709 U Silicone Rubber is not a High Fatigue Life grade. Please use it as a Medium Strength grade.

HCR High Consistency Rubber

Oil Resistance

Product Grade		Oil Resistance						
Product Name		XIAMETER™ SH 745 U Silicone Rubber	XIAMETER™ SH 746 U Silicone Rubber	XIAMETER™ SH 747 U Silicone Rubber	XIAMETER™ SH 748 UN Silicone Rubber	SILASTIC™ DY 32-7067 U Silicone Rubber	SILASTIC™ DY 32-625 U Silicone Rubber	SILASTIC™ SE 4701 U Silicone Rubber
Features		Low Compression Set				Heat Resistance		
Appearance		Off-white	Off-white	Off-white	Off-white	Off-white	Off-white	Off-white
Plasticity*1 mm/100		250	270	280	340	260	240	320
Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
Recommended Dosage*2		0.5	0.45	0.45	0.4	0.45	0.5	0.45
Properties After Curing	Hardness (JIS Type A)	52	60	71	81	71	72	70
	Density g/cm³	1.33	1.41	1.44	1.45	1.32	1.30	1.33
	Tensile Strength MPa	6.7	7.2	8.0	8.5	7.2	6.7	7.9
	Elongation %	350	260	170	140	180	240	170
	100% Modulus MPa	1.9	3.5	5.4	7.3	5.3	4.9	5.2
	Tear Strength Crescent N/mm	7	7	8	9	10	10	9
	Tear Strength Angle N/mm	25	23	20	15	18	17	15
	Linear Shrinkage*3 %	2.6	2.5	2.6	2.3	2.9	3.0	3.1
	Rebound Resilience (Lupke method) %	74	70	65	58	67	57	64
	Compression Set (180°C/22h) %	11	9	8	9	18	24	24
	Dielectric Strength kV/mm	28	30	31	34	24	31	24
	Volume Resistivity TΩ•m	17	51	28	24	17	15	29
	Food Contact Regulations*4 US:FDA	×	×	×	×	○		
	Food Contact Regulations*4 EU:BfR							
Heat Resistance	200°C/72h Hardness Change points	0	+1	+1	+1	0	0	-3
	200°C/72h Tensile Strength Change %	+17	+23	-6	+2	+3	+1	-13
	200°C/72h Elongation Change %	-13	-15	-23	-20	-3	-18	+3
	250°C/72h Hardness Change points	-8	-4	+2	+1	-10	+1	-14
	250°C/72h Tensile Strength Change %	-17	-17	-14	-25	-38	-20	-53
	250°C/72h Elongation Change %	-28	-34	-31	-39	-15	-32	-6
Oil Resistance	IRM901 Oil 150°C/72h Hardness Change points	-5	-5	-4	-2	-5	-3	-5
	IRM901 Oil 150°C/72h Tensile Strength Change %	+3	+13	+8	+18	-14	+2	-18
	IRM901 Oil 150°C/72h Elongation Change %	-20	-7	-12	+3	+23	-4	+24
	IRM901 Oil 150°C/72h Volume Change %	+6	+5	+5	+4	+4	+4	+3
	IRM903 Oil 150°C/72h Hardness Change points	-16	-18	-18	-21	-19	-19	-20
	IRM903 Oil 150°C/72h Tensile Strength Change %	-31	-22	-10	-7	-40	-21	-45
	IRM903 Oil 150°C/72h Elongation Change %	-31	-23	-7	-1	+26	-24	+14
	IRM903 Oil 150°C/72h Volume Change %	+43	+38	+32	+29	+38	+36	+37

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For XIAMETER™ SH 74X U series, the test specimens are prepared by primary curing at 170°C for 10 min without post-curing

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Steam / Heat / Cold Resistance

	Product Grade		Steam resistance					Heat resistance		Cold resistance
	Product Name		SILASTIC™ SRX 495 U Silicone Rubber	XIAMETER™ RBB-6420-50 Silicone Rubber	SILASTIC™ SE 6767 U Silicone Rubber	SILASTIC™ SRX 495 UM Silicone Rubber	SILASTIC™ SE 4805 U Silicone Rubber	SILASTIC™ SH 52 U Silicone Rubber	SILASTIC™ SH 82 UD Silicone Rubber	SILASTIC™ SE 955 U Silicone Rubber
	Appearance		Light straw	White	Light straw	Light yellow	Light yellow	Light tan	Light tan	Gray white
	Plasticity*1 mm/100		250	240	260	240	240	260	310	250
	Curing Agent*2		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-14 A	SILASTIC™ RC-4 50P FD
	Recommended Dosage		0.8	0.6	0.5	0.8	0.6	1.0	1.1	0.8
Properties After Curing	Hardness (JIS Type A)		51	50	70	51	51	50	81	49
	Density g/cm³		1.15	1.14	1.18	1.14	1.14	1.17	1.23	1.20
	Tensile Strength MPa		9.9	8.6	10.7	9.3	9.4	8.6	9.2	10.0
	Elongation %		470	490	230	460	500	500	170	610
	100%Modulus MPa		1.2	1.1	4.2	1.1	1.1	1.1	5.9	1.0
	Tear Strength	Crescent N/mm	9	9	7	10	9	10	9	24
		Angle N/mm	27	29	18	29	24	23	15	19
	Linear Shrinkage*3 %		3.5	3.3	3.2	4.0	3.9	3.4	3.9	4.1
	Rebound Resilience (Lupke method) %		64	65	67	68	62	59	53	51
	Compression Set (180°C/22h) %		9	8	7	13	10	9	16	16
	Dielectric Strength kV/mm		28	26	31	28	28	28	34	30
	Volume Resistivity TΩ·m		390	74	540	49	38	540	390	51
	Food Contact Regulations*4	US:FDA	×	○	×		×	×	×	
		EU:BfR	×	○	×	×				
	Flammability UL94		HB				HB			
Heat Resistance	200°C/72h	Hardness Change points	+2	+2	+2	+4	+5	+2	+2	+7
		Tensile Strength Change %	-6	+6	-4	+6	-7	-6	-10	+4
		Elongation Change %	-16	-13	-11	-6	-15	-11	-25	-25
	250°C/72h	Hardness Change points	0	+37	0	+34	+4	+2	+3	+12
		Tensile Strength Change %	-24	-40	-30	-28	-46	-43	-28	-21
		Elongation Change %	-32	-94	-34	-92	-51	-40	-48	-55
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-6	-5	-5	-9	-9	-4	-5	-9
		Tensile Strength Change %	-6	-17	-13	-24	-25	-16	-13	-4
		Elongation Change %	-14	-13	-7	-19	-21	-16	-19	-4
		Volume Change %	+7	+7	+6	+6	+6	+7	+7	+10
	IRM903 Oil 150°C/72h	Hardness Change points	+6 *5	+8 *5	+1 *5	+6 *6	+7 *6	-21	-24	-28
		Tensile Strength Change %	-28 *5	-32 *5	-25 *5	-6 *6	0 *6	-53	-35	-71
		Elongation Change %	-28 *5	-33 *5	-10 *5	-26 *6	-21 *6	-41	-32	-51
		Volume Change %						+57	+41	+87

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ SH 82 UD, the test specimens are prepared by primary curing at 120°C for 10 min and post-curing at 250°C for 24 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

*5 Steam resistance at 0.65 MPa (160°C) for 200 h.

*6 Steam resistance at 0.65 MPa (160°C) for 1 week (168 h).

HCR High Consistency Rubber

Fire Resistance / Flame retardant / Voltage Resistance

	Product Grade		Fire Resistance		Flame retardant			Voltage Resistance		
	Product Name		SILASTIC™ DY 32-430 U Silicone Rubber	SILASTIC™ DY 32-7113 U Silicone Rubber	SILASTIC™ SH 502 U Silicone Rubber	SILASTIC™ SH 502 U A/B Silicone Rubber	SILASTIC™ SH 1447 U A Silicone Rubber	SILASTIC™ DY 32-5099 U Silicone Rubber	SILASTIC™ SE 6764 U Silicone Rubber	SILASTIC™ SE 6763 U Silicone Rubber
	Appearance		Gray white	Gray white	Dark gray	Gray white	Gray white	Gray white	Light yellow	Light yellow
	Plasticity*1 mm/100		310	440	210	260	260	250	230	240
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-8	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.8	0.8	0.5	0.5	0.45	0.8	1.0	0.8
Properties After Curing	Hardness (JIS Type A)		75	71	55	55	72	50	54	58
	Density g/cm³		1.41	1.40	1.41	1.37	1.45	1.18	1.20	1.31
	Tensile Strength MPa		7.6	8.5	4.8	7.2	7.9	8.4	6.6	8.1
	Elongation %		170	370	420	470	200	650	470	530
	100%Modulus MPa		5.5	3.5	2.0	2.1	5.5	1.4	1.3	1.6
	Tear Strength	Crescent N/mm	12	15	9	12	9	27	18	13
		Angle N/mm	20	28	20	26	18	28	26	26
	Linear Shrinkage*3 %		2.4	3.2	2.8	2.7	2.7	3.9	3.8	3.6
	Rebound Resilience (Lupke method) %		57	48	64	57	62	55	62	57
	Compression Set (180°C/22h) %		48	28	17	26	11	30	15	15
	Dielectric Strength kV/mm		29	31	30	27	32	26	28	28
	Volume Resistivity TΩ·m		49	63	74	43	250	22	90	55
	Contact Regulations*4	US:FDA				×	×			
		EU:BfR								
	Flammability UL94				V-0	V-0	V-0			
Heat Resistance	200°C/72h	Hardness Change points	+3	+4	+2	+4	+1	+6	+1	+5
		Tensile Strength Change %	+6	-7	+13	-1	+9	-3	-4	-7
		Elongation Change %	-29	-32	-20	-29	-19	-17	-14	-22
	250°C/72h	Hardness Change points	+5	+5	+3	+3	+1	+4	+4	+8
		Tensile Strength Change %	-11	-38	+5	-13	-11	-45	-23	-34
		Elongation Change %	-54	-70	-55	-50	-29	-54	-22	-55
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-7	-6				-6	-6	-6
		Tensile Strength Change %	+3	+8				-11	-5	-10
		Elongation Change %	+20	+2				-5	-12	-13
		Volume Change %	+4	+7				+6	+6	+5
	IRM903 Oil 150°C/72h	Hardness Change points	-21	-26				-23	-23	-26
		Tensile Strength Change %	-8	-30				-48	-51	-29
		Elongation Change %	+4	-11				-37	-41	-21
		Volume Change %	+35	+44				+55	+51	+46

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ SH 502 U A/B and SILASTIC™ SH 1447 U A, the test specimens are prepared by primary curing at 160°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Wire & Cable / High Voltage Insulation

	Product Grade		Wire and cable						High voltage insulation	
	Product Name		SILASTIC™ SE 1602 UX Silicone Rubber	SILASTIC™ SE 1618 U Silicone Rubber	SILASTIC™ SRX 505 U Silicone Rubber	SILASTIC™ SE 1613 U Silicone Rubber	SILASTIC™ DY 32-6066 U Silicone Rubber	SILASTIC™ SRX 530 U Silicone Rubber	SILASTIC™ DY 32-4110 U Silicone Rubber	SILASTIC™ DY 32-7090 U Silicone Rubber
	Product Name		General		High strength	High Tear Strength	Braded flame retardant	non-braded flame retardant	Cable termination	Insulators
	Appearance		Gray white	Light yellow	Gray white	White	White	White	Gray white	White
	Plasticity*1 mm/100		240	300	330	360	250	400	190	280
	Curing Agent		SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-14 A	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		1.3	1.5	1.5	1.0	1.3	1.25	0.8	0.6
Properties After Curing	Hardness (JIS Type A)		66	69	60	61	66	69	41	70
	Density g/cm³		1.19	1.19	1.18	1.18	1.25	1.27	1.20	1.52
	Tensile Strength MPa		9.1	11.3	10.6	10.6	10.1	8.9	8.2	6.4
	Elongation %		310	290	560	550	270	270	880	250
	100%Modulus MPa		2.9	3.4	1.8	1.9	3.5	3.4	0.9	2.5
	Tear Strength	Crescent N/mm	32	9	6	28	7	10	30	8
		Angle N/mm	24	25	30	29	23	37	24	18
	Linear Shrinkage*3 %		2.1	2.4	2.8		1.9		3.6	2.5
	Rebound Resilience(Lupke method) %		59	67	41	50	62	58	50	48
	Compression Set (180°C/22h) %		53	45	74	71	33	28	22	43
	Dielectric Strength kV/mm		30	29	29	27 *5	32	27	29	28
	Volume Resistivity TΩ·m		280	310	130	550 *5	325	1340 *5	117	5
	Food Contact Regulations*4	US:FDA				×		×		
		EU:BfR								
Heat Resistance	200°C/72h	Hardness Change points	+4	+1	+4	+8	+2	+2		
		Tensile Strength Change %	-19	-26	-7	-9	-25	-25		
		Elongation Change %	-17	-16	-17	-17	-27	-27		
	250°C/72h	Hardness Change points	+10	+5	+7	+10	0	-27		
		Tensile Strength Change %	-51	-59	-41	-51	-34	-49		
		Elongation Change %	-65	-64	-57	-59	-28	-42		
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-9	-11	-12	-8		-10		
		Tensile Strength Change %	+1	-39	-12	-3		-11		
		Elongation Change %	-10	-7	-3	+1		-12		
		Volume Change %	+5	+5	+9	+7		+6		
	IRM903 Oil 150°C/72h	Hardness Change points	-25	-23	-31	-28		-24		
		Tensile Strength Change %	-46	-55	-59	-56		-22		
		Elongation Change %	-25	-37	-41	-45		-19		
		Volume Change %	+45	+46	+65	+62		+45		

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 120°C for 10 min and post-curing at 150°C for 1 h

For SILASTIC™ SE 1618 U, the test specimens are prepared by primary curing at 120°C for 10 min and post-curing at 150°C for 4 h

For SILASTIC™ SRX 505 U, the test specimens are prepared by primary curing at 120°C for 10 min and post-curing at 250°C for 1 h

For SILASTIC™ SE 1613 U and SILASTIC™ SRX 530 U, the test specimens are prepared by primary curing at 120°C for 10 min without post-curing

For SILASTIC™ DY 32-4110 U, the test specimens are prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ DY 32-7090 U, the test specimens are prepared by primary curing at 170°C for 10 min without post-curing

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

*5 Based on water-immersion testing

HCR High Consistency Rubber

Oil-Bleed 1

	Product Grade		Oil-Bleed								
	Product Name		SILASTIC™ DY 32-464 U Silicone Rubber	SILASTIC™ DY 32-403 U Silicone Rubber	SILASTIC™ DY 32-366 U Silicone Rubber	SILASTIC™ DY 32-502 U Silicone Rubber	SILASTIC™ DY 32-520 U Silicone Rubber	SILASTIC™ DY 32-6061 U Silicone Rubber	SILASTIC™ SE 6761 U Silicone Rubber	SILASTIC™ SE 6718 U Silicone Rubber	SILASTIC™ SE 6785 US Silicone Rubber
	Features		General						High tear strength		
	Oil Content %		5						8		4.5
	Appearance		Light yellow	Gray white	Gray white	Gray white	Light yellow	Gray white	Gray white	Gray white	Gray white
	Plasticity*1 mm/100		180	150	160	220	210	190	120	200	200
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.7	0.7	0.6	0.5	0.5	0.6	0.8	1.0	0.8
Properties After Curing	Hardness (JIS Type A)		30	34	40	50	60	59	28	56	53
	Density g/cm³		1.14	1.14	1.18	1.19	1.20	1.20	1.14	1.19	1.22
	Tensile Strength MPa		7.0	8.0	7.7	7.6	8.7	6.8	7.2	9.3	9.2
	Elongation %		730	620	580	450	340	460	770	660	570
	100%Modulus MPa		0.5	0.7	0.9	1.7	2.2	1.9	0.5	1.4	1.4
	Tear Strength	Crescent N/mm	8	12	9	8	10	13	13	29	16
		Angle N/mm	18	20	22	21	2	23	17	26	25
	Linear Shrinkage*3 %		3.3	3.6	3.2	3.0	3.2	3.8	4.0	3.9	4.0
	Rebound Resilience (Lupke method) %		52	63	59	63	61	56	62	54	56
	Compression Set (180°C/22h) %		30	25	23	23	8	21	18	18	22
	Dielectric Strength kV/mm		24	24	25	25	28	26	27	28	28
	Volume Resistivity TΩ·m		4	41	7	5	41	23	27	46	11
	Food Contact Regulations*4	US:FDA	×		×	×	×				
		EU:BfR									
	Flammability UL94					HB					
Heat Resistance	200°C/72h	Hardness Change points	0	+1	+1	0	+3	+6	-4	+4	-4
		Tensile Strength Change %	-10	-17	0	-3	-9	+4	-12	-13	-14
		Elongation Change %	-7	-17	-13	-15	-11	-14	-8	-20	-19
	250°C/72h	Hardness Change points	-14	-11	-8	-6	+2	+4	-15	+6	-3
		Tensile Strength Change %	-55	-45	-26	-24	-39	-25	-60	-63	-46
		Elongation Change %	-5	-16	-18	-20	-44	-47	-17	-64	-47
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-4	-6	-1	-2	-1	-1	-3	-1	-3
		Tensile Strength Change %	+14	+5	+9	+1	+5	+5	+5	-28	-28
		Elongation Change %	+11	0	-2	-3	+5	-15	-39	-24	+32
		Volume Change %	+4	+2	+2	+3	+3	+2	+2	+0	+2
	IRM903 Oil 150°C/72h	Hardness Change points	-15	-14	-14	-14	-18	-20	-14	-19	-18
		Tensile Strength Change %	-48	-55	-46	-36	-32	-23	-63	-40	-48
		Elongation Change %	-34	-35	-31	-25	-29	-24	-42	-33	-35
		Volume Change %	+61	+54	+50	+45	+40	+40	+57	+41	+47

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Oil-Bleed 2/Low Compression Set

	Product Grade		Oil-Bleed		Low Compression Set						
	Product Name		SILASTIC™ DY 32-846 UM Silicone Rubber	SILASTIC™ DY 32-821 U Silicone Rubber	SILASTIC™ DY 32-911 U Silicone Rubber	SILASTIC™ DY 32-540 U Silicone Rubber	SILASTIC™ DY 32-541 U Silicone Rubber	SILASTIC™ DY 32-542 U Silicone Rubber	SILASTIC™ DY 32-576 U Silicone Rubber	SILASTIC™ DY 32-903 U Silicone Rubber	SILASTIC™ DY 32-901 U Silicone Rubber
	Features		Low mold fouling		General					High strength	
	Oil Content %		2.5	3							
	Appearance		Gray white	Gray white	Light yellow	Light yellow	Light yellow	Light yellow	Gray white	Gray white	Gray white
	Plasticity*1 mm/100		165	130	140	140	150	180	190	160	170
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.6	0.6
Properties After Curing	Hardness (JIS Type A)		40	32	23	27	33	44	63	31	39
	Density g/cm³		1.17	1.12	1.18	1.18	1.18	1.21	1.27	1.08	1.11
	Tensile Strength MPa		8.2	5.5	1.9	2.1	2.3	4.5	6.4	6.1	7.5
	Elongation %		720	630	540	510	310	380	200	560	400
	100%Modulus MPa		0.8	0.6	0.4	0.4	0.7	1.1	3.7	0.5	0.8
	Tear Strength	Crescent N/mm	15	10	4	3	3	5	5	5	5
		Angle N/mm	21	16	4	5	5	16	11	12	19
	Linear Shrinkage*3 %		3.6	3.7	4.4	4.1	4.3	4.3	3.3	3.9	3.8
	Rebound Resilience(Lupke method) %		56	68	66	72	83	75	84	80	85
	Compression Set (180°C/22h)		23	13	9	6	4	5	4	12	9
	Dielectric Strength kV/mm		27	24	21	20	26	27	28	20	23
	Volume Resistivity TΩ·m		41	26	44	18	59	26	33	14	51
	Food Contact Regulations*4	US:FDA			×	×					
		EU:BfR									
	Flammability UL94									HB	
Heat Resistance	200°C/72h	Hardness Change points	+1	+1	+2	+10	+1	+3	-1	-1	0
		Tensile Strength Change %	-9	+6	+4	-7	+4	+3	-3	-14	-8
		Elongation Change %	-15	-7	-18	-26	-10	-15	-13	-7	-6
	250°C/72h	Hardness Change points	-2	-5	-5	-7	-7	-2	0	-17	-13
		Tensile Strength Change %	-43	-27	-21	-37	-31	-21	-16	-51	-48
		Elongation Change %	-26	-18	-40	-46	-31	-34	-43	-1	-15
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-5	-5	-6	-7	-6	-8	-7	-6	-7
		Tensile Strength Change %	-2	+10	+7	-10	-6	-8	-10	-11	-38
		Elongation Change %	0	+1	+3	-8	+3	-4	+8	-8	-25
		Volume Change %	+3	+3	+7	+8	+7	+7	+6	+7	+6
	IRM903 Oil 150°C/72h	Hardness Change points	-19	-13	-9	-9	-9	-13	-13	-11	-12
		Tensile Strength Change %	-46	-48	-48	-44	-42	-39	-34	-61	-55
		Elongation Change %	-25	-33	-34	-31	-38	-33	-25	-37	-34
		Volume Change %	+54	+56	+67	+65	+54	+50	+41	+55	+48

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Electrically Conductive

	Product Grade		Electrically Conductive						
	Product Name		SILASTIC™ SRX 557 U Silicone Rubber	SILASTIC™ SRX 539 U Silicone Rubber	SILASTIC™ SE 6770 U-P Silicone Rubber	SILASTIC™ DY 32-934 U Silicone Rubber	SILASTIC™ SRX 539 UT Silicone Rubber	SILASTIC™ SE 6765 U Silicone Rubber	SILASTIC™ DY 32-408 U Silicone Rubber
	Features		General			Low hardness	Good processability	Addition-cure	High Conductive
	Appearance		Black	Black	Black	Black	Black	Black	Black
	Plasticity*1 mm/100				670		510		
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-3 40P	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RD-4 / SILASTIC™ RD-11	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		1.5	4.5	2.0	1.5	1.2	2.5/1.1	2.0
Properties After Curing	Hardness (JIS Type A)		53	63	76	37	64	62	86
	Density g/cm³		1.14	1.17	1.21	1.19	1.17	1.21	1.26
	Tensile Strength MPa		5.6	7.1	7.3	3.2	6.2	4.4	6.0
	Elongation %		330	240	120	290	310	230	150
	100%Modulus MPa		0.8	2.8	6.4	0.9	2.9	2.5	
	Tear Strength	Crescent N/mm	10	7	8	5	8	11	
		Angle N/mm	25	25	10	10	16	20	12
	Linear Shrinkage*3 %		3.9	4.4	3.9	3.8	3.9	3.3	
	Rebound Resilience(Lupke method)%		52	47	52	70	48	55	38
	Compression Set (180°C/22h) %		52	38	33	40	56	18	74
	Volume Resistivity Ω·cm		13	3.8	1.9	153	3.8	4.9	0.5
	Food Contact Regulations*4	US:FDA	×	×	×	×	×		
		EU:BfR							
	Flammability UL94							V-0	
Heat Resistance	200°C/72h	Hardness Change points	-7	+1	+2	0	+3	+3	
		Tensile Strength Change %	0	-10	+4	+13	-3	-9	
		Elongation Change %	+10	+16	+2	+4	-13	-22	
	250°C/72h	Hardness Change points	-11	-1	0	-7	+23	+3	
		Tensile Strength Change %	-12	-30	-12	+1	-77	-13	
		Elongation Change %	+35	+35	-3	+13	-98	-28	

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ SRX 539 U, the test specimens are prepared by primary curing at 150°C for 10 min and post-curing at 150°C for 4 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

HCR High Consistency Rubber

Thermally Conductive / Others

	Product Grade		Thermally Conductive				Others				
	Product Name		SILASTIC™ DY 32-337 U Silicone Rubber	SILASTIC™ DY 32-338 U Silicone Rubber	SILASTIC™ DY 32-315 U Silicone Rubber	SILASTIC™ DY 32-339 U Silicone Rubber	SILASTICTM DY 32-3060 U Silicone Rubber	SILASTIC™ DY 32-7045 U Silicone Rubber	SILASTIC™ DY 32-856 U Silicone Rubber	SILASTIC™ DY 32-7022 U Silicone Rubber	SILASTIC™ ES 5000 Sponge Base
	Features						Low rebound	Release Roll	Flame-retardant sponge base	Coolant resistance	Eco-Sponge Base
	Appearance		Light yellow	Gray white	Gray white	Gray white	Gray white	Milky white translucent	Gray white	Light yellow	Gray white
	Plasticity*1 mm/100		190	230	290	440	330	210	230	260	220
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-14 A	SILASTIC™ RC-4 50P FD	SILASTIC™ RD-7 /SILASTIC™ RD-9 / SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		0.8	0.8	0.8	0.8	0.6	0.5	1.5	0.5	1.0 / 0.03 / 0.2
Properties After Curing	Hardness (JIS Type A)		46	72	84	92	26	68	59	72	14(asker C)
	Density g/cm³		1.32	1.46	1.62	1.79	1.19	1.11	1.31	1.17	0.35
	Tensile Strength MPa		5.8	8.7	8.8	9.1	2.7	8.8	7.4	8.4	1.0
	Elongation %		320	160	100	60	1180	190	430	170	270
	100%Modulus MPa		1.4	5.8	-	-	0.4	4.3	2.1	4.7	
	Tear Strength	Crescent N/mm	5	7	8	10	17	6	11	6	
		Angle N/mm	20	19	17	16	16	19	24	18	
	Linear Shrinkage*3 %		2.9	2.7	2.8	2.1	4.5	4.3	2.0	4.0	
	Rebound Resilience (Lupke method) %		79	71	65	52	20	75	61	71	
	Compression Set (180°C/22h) %		3	4	11	12	58	20	50	7	6(150C/70h)
	Dielectric Strength kV/mm		29	30	32	29	27	33	30	28	
	Volume Resistivity TΩ·m		34	31	45	12	44	55	40	74	
	Thermal Conductivity W/(m·K))		0.47	0.55	0.64	1.14					
	Food Contact Regulations*4	US:FDA				×		×			○
		EU:BfR									○
Heat Resistance	200°C/72h	Hardness Change points	0	0	0	+2	+14	+4	+1	+2	-3 *5
		Tensile Strength Change %	+3	+4	0	+8	+2	-28	-4	-15	+10 *5
		Elongation Change %	-10	-5	-1	+14	-31	-39	-26	-16	-13 *5
	250°C/72h	Hardness Change points	-9	+2	-2	-1	+22	+17	+9	+16	
		Tensile Strength Change %	-41	-28	-42	-18	-38	-46	-39	-29	
		Elongation Change %	-34	-36	-34	-15	-71	-86	-80	-82	
Oil Resistance	IRM901 Oil 150°C/72h	Hardness Change points	-6	-5	-6	-3	-7	-7	-11	-7	
		Tensile Strength Change %	-6	+3	+2	+13	-17	-29	-24	-16	
		Elongation Change %	-6	+6	+10	+14	-15	-18	-12	-11	
		Volume Change %	+6	+5	+4	+3	+8	+6	+6	+5	
	IRM903 Oil 150°C/72h	Hardness Change points	-13	-16	-18	-13	-22	-15	-28	-18	
		Tensile Strength Change %	-24	-11	-6	+7	-62	-58	-55	-53	
		Elongation Change %	-25	-6	0	+5	-48	-46	-29	-45	
		Volume Change %	+45	+32	+27	+19	+93	+42	+50	+40	

Measurement: In accordance with JIS K 6249
Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h
For SILASTIC™ DY 32-856 U, the test specimens are prepared by primary curing at 120°C for 10 min and post-curing at 200°C for 4 h
For SILASTIC™ ES 5000, foamed test specimens were prepared by primary curing in an oven at 230°C for 10 min and post-curing at 200°C for 2 h
*1 Measured 60 min after two-roll milling
*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound
*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions
*4 Please refer to the notes on food-contact regulations provided later in this document
*5 Heat resistant at 230°C for 70 h

FSR Fluorosilicone Rubber

General / Oil-bleed / High Fatigue Life

	Product Grade		FSR				
	Product Name		SILASTIC™ DY 37-016 U Fluorosilicone Rubber	SILASTIC™ LS 63 U Fluorosilicone Rubber	SILASTIC™ DY 37-071 U Fluorosilicone Rubber	SILASTIC™ DY 37-133 U Fluorosilicone Rubber	SILASTIC™ DY 37-029 U Fluorosilicone Rubber
	Features			General		Oil-bleed	High fatigue life
	Appearance		Light yellow	White	Light yellow	Light yellow	Brown
	Plasticity*1 mm/100		280	320	320	230	230
	Curing Agent		SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD	SILASTIC™ RC-4 50P FD
	Recommended Dosage*2		1.0	1.0	1.0	1.0	1.0
Properties After Curing	Hardness (JIS Type A)		53	60	70	48	47
	Density g/cm³		1.42	1.48	1.45	1.38	1.42
	Tensile Strength MPa		8.6	7.8	9.2	7.1	10.5
	Elongation %		330	340	220	340	410
	100%Modulus MPa		1.7	2.7	3.7	1.6	1.5
	Tear Strength	Crescent N/mm	11	28	11	12	16
		Angle N/mm	22	21	25	16	27
	Linear Shrinkage*3 %		3.2	3.6	3.4	3.3	3.7
	Rebound Resilience (Lupke method) %		40	15	33	42	37
	Compression Set (150°C/70h) %		5	18	6	15	7
	Fatigue life (100% elongation) million times						1.2
	Food Contact Regulations*4	US:FDA	x		x		
		EU:BfR					
Heat Resistance	200°C/72h	Hardness Change points	+1	+7	-1	0	0
		Tensile Strength Change %	-17	-20	-18	-10	-14
		Elongation Change %	-1	-34	-12	-7	-4
Oil Resistance	IRM903 Oil 150°C/72h	Hardness Change points	-6	-1	-4	-13	-3
		Tensile Strength Change %	-13	+7	-11	-25	-12
		Elongation Change %	-7	-8	-13	-11	-2
		Volume Change %	+3	+3	+4	+17	+3

Measurement: In accordance with JIS K 6249

Test specimens: Prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 4 h

For SILASTIC™ LS 63 U, the test specimens are prepared by primary curing at 170°C for 10 min and post-curing at 200°C for 8 h

*1 Measured 60 min after two-roll milling

*2 Recommended dosage of curing agent, parts by weight per 100 parts of compound

*3 Measured by the disk method. Linear shrinkage varies depending on curing conditions, including curing agent type, curing temperature, and molded part dimensions

*4 Please refer to the notes on food-contact regulations provided later in this document

Curing Agents / Primers

	Curing Agent						
	Product Name	Main Component	Content	Appearance	Application	Food Contact Regulations*	
						US: FDA	EU: BfR
Peroxide Cure	SILASTIC™ RC-3 40P	Dicumyl peroxide	40%	White paste	For general molding and carbon filler (Electrically conductive grade)	○	○
	SILASTIC™ RC-4 50P FD	2,5-Dimethyl -2,5-bis (t-Butyl peroxy) Hexane	50%	White paste	For thick-section moldings, applications not requiring post-curing, and electrically conductive grades	○	○
	SILASTIC™ RC-8	2,5-Dimethyl -2,5-bis (t-Butyl peroxy) Hexane	22%	White paste	For yellowing prevention and fast cure	○	
	SILASTIC™ RC-14 A	bis(4-methylbenzoyl) peroxide	50%	White - light yellow paste	For hot air vulcanization, and sponge		
Addition Cure	SILASTIC™ RD-27	Platinum catalyst		Gray- white translucent paste	For fast cure and low-temperature cure	○	○
	SILASTIC™ MR-91	Platinum catalyst		Off-white paste		○	
	SILASTIC™ RD-7	Crosslinker (SiH Polymer)		Gray- white translucent paste		○	○
	SILASTIC™ RD-9	Cure inhibitor		Gray- white translucent paste		○	○
	SILASTIC™ RD-201	Cure inhibitor		Gray- white translucent paste			
	SILASTIC™ RD-11	Platinum catalyst		Black paste	For Electrically Conductive grades		
	SILASTIC™ RD-4	Crosslinker (SiH Polymer) & Cure Inhibitor		Gray white paste			

* Please refer to the notes on food-contact regulations provided later in this document.

* The appropriate curing agent depends on the application and processing conditions.

(Not a specification value)

Primer					
Product Name	Appearance	Non-volatile*(%)	Solvent	Drying Conditions	Substrate
SILASTIC™ DY 39-067 Primer	Colorless transparent	2%	n-heptane	Room temperature, 1-2 hours	Metals, Plastics
SILASTIC™ DY 39-123 Primer	Colorless to light yellow transparent	12%	n-heptane	Room temperature, 30 min or longer	Metals
SILASTIC™ Primer-X SILASTIC™ Primer-Y**	Colorless to light yellow transparent	9%	n-heptane	Room temperature, 30 min or longer	Metals, Plastics

(Not a specification value)

* Non-volatile content after drying at 70°C for 1 h.

** Mix SILASTIC™ Primer-X and SILASTIC™ Primer-Y at a 1:1 ratio before use.

Pigments / Additives

Pigments								
Product Name	Color	Recommended Addition Level	Color Difference			Main Component	Food Contact Regulations*	
			L*	a*	b*		US: FDA	EU: BfR
XIAMETER™ CP-11 White Rubber Additive	White	1～2%	96.65	-0.66	3.09	Titanium dioxide	○	
SILASTIC™ CP-17 Red Rubber Additive	Red	1～2%	27.86	24.85	12.37	Manganese complex	×	
XIAMETER™ CP-18 Black Rubber Additive	Black	1～2%	21.48	0.45	-0.01	Black Iron Oxide	○	
XIAMETER™ CP-35 Black Rubber Additive	Black	1～2%	22.45	0.38	-0.22	Carbon black	×	
XIAMETER™ CP-2 Blue Rubber Additive	Ultramarine blue	1～2%	24.20	17.21	-39.57	Pigment Blue 29	○	○
XIAMETER™ CP-138 Blue Rubber Additive	Blue	1～2%	23.12	12.09	-28.31	Pigment Blue 15	○	
XIAMETER™ CP-21 Brown Rubber Additive	Reddish Brown	1～2%	42.10	34.43	30.20	Iron Oxide	○	
XIAMETER™ CP-177 Red Rubber Additive	Red	1～2%	45.45	60.72	39.11	Organic pigment	○	
XIAMETER™ CP-124 Red Rubber Additive	Red	1～2%	27.85	31.07	1.62	Organic pigment	×	
XIAMETER™ CP-144 Yellow Rubber Additive	Yellow	1～2%	74.52	19.93	81.99	Organic pigment	○	
XIAMETER™ CP-181 Yellow Rubber Additive	Yellow	1～2%	77.57	1.10	83.03	Organic pigment	×	

* The colors and color differences shown above were obtained from sheets cured using XIAMETER™ RBB-6650-50 Base / SILASTIC™ RC-4 50P FD Rubber Additive / pigment = 100 / 0.6 / 2.0, with a primary cure at 170°C for 10 min and a post-cure at 200°C for 2 h. Actual colors may vary depending on the silicone rubber grade, curing agent, addition level, and curing conditions. Please verify the actual color before use.

** Please refer to the notes on food-contact regulations provided later in this document.

Additives					
Product Name	Appearance	Recommended Addition Level	Use	Food Contact Regulations*	
				US: FDA	EU: BfR
SILASTIC™ MR-1 Rubber Additive	White	0～0.3%	Improves mold release, prevents adhesion to wire cores		
SILASTIC™ MR-3 Rubber Additive	White	0～0.3%	Improves mold release	○	
SILASTIC™ MR-5 Rubber Additive	Pale gray, translucent	0～0.5%	Improves crepe hardening and softens uncured material	○	
SILASTIC™ MR-8 Rubber Additive	White	0～2.0%	Increases linear shrinkage	○	
SILASTIC™ MR-14 Rubber Additive	White	0～0.3%	Improve mold release and 2-roll release	○	

*Please refer to the notes on food-contact regulations provided later in this document.

Usage Precautions

Safety information required for use is not included in this catalog. Before use, carefully read the Safety Data Sheet (SDS), product packaging, and the safety and hazard information provided on the package label. Safety Data Sheets (SDS) are available from Dow's website at https://www.dow.com/ja-jp.html. They may also be requested from the distributor or a Dow sales representative.

Food Contact Applications

For products marked with food-contact regulatory status, the ingredients were confirmed at the time of catalog preparation to comply with FDA and/or BfR requirements. Depending on conditions of use, however, these products may not comply with those regulations.

Manufacturers are responsible for processing products under their own specific conditions and conducting tests to evaluate the total extractables from their finished articles. For details regarding suitability for food-contact applications, please refer to the FOOD CONTACT STATUS DOCUMENT. Users are responsible for verifying legal compliance and safety in the final product and determining whether the product may be used.

Restrictions on Medical and Pharmaceutical Applications

These products have been developed and manufactured for general industrial applications. They have not been tested as suitable for medical or pharmaceutical applications, nor are they represented as such.





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