



Component - Plastics

File Number: E40195

DOW SILICONES CORP
2200 W Salzburg Rd
Midland, MI 48686 United States



MS-4007(f1)(f8)

Silicone Rubber (SIR), two liquid components

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (f8) - Complies with the requirements of NHTSA TP-302-03, FMVSS 302 "Flammability of Interior Materials".

Flammability	Value	Test Method
Flame Rating		
1.0 mm, NC	HB	UL 94
3.0 mm, NC	HB	UL 94
5.0 mm, NC	HB	UL 94
8.0 mm, NC	V-1, 5VA	UL 94 IEC 60695-11-10, -20
3.0 mm, NC	HB40	IEC 60695-11-10, -20
5.0 mm, NC	HB40	IEC 60695-11-10, -20
1.0 mm, NC	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		IEC 60695-2-12
1.0 mm	960 °C	
3.0 mm	960 °C	
5.0 mm	960 °C	
8.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	825 °C	
3.0 mm	960 °C	
5.0 mm	960 °C	
8.0 mm	960 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
3.0 mm	PLC 3	
5.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
1.0 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	24 kV/mm	ASTM D149
Volume Resistivity	1.0E+13 ohms-cm	ASTM D257 IEC 60093
Thermal	Value	Test Method
RTI Elec		UL 746
1.0 mm	150 °C	
3.0 mm	150 °C	
5.0 mm	150 °C	
8.0 mm	150 °C	

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Thermal	Value	Test Method
RTI Elong		UL 746
1.0 mm	150 °C	
3.0 mm	150 °C	
5.0 mm	150 °C	
8.0 mm	150 °C	
RTI Str		UL 746
1.0 mm	150 °C	
3.0 mm	150 °C	
5.0 mm	150 °C	
8.0 mm	150 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C