

**Dow Silicones Corp**2200 W Salzburg Rd  
Midland, MI 48686 United States

File Number: E40195

**MS-1002(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	V-1	UL 94 IEC 60695-11-10, -20
8.0 mm, NC	V-1, 5VA	UL 94 IEC 60695-11-10, -20
3.0 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	875 °C	
3.0 mm	960 °C	
8.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	825 °C	
3.0 mm	900 °C	
8.0 mm	900 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.0 mm	PLC 4	
3.0 mm	PLC 2	
5.0 mm	PLC 1	
8.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
1.0 mm	PLC 1	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	23 kV/mm	ASTM D149
Volume Resistivity	1.0E+18 ohms·cm	ASTM D257 IEC 60093

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Thermal	Value	Test Method
RTI Elec		UL 746B
1.0 mm	150 °C	
3.0 mm	150 °C	
5.0 mm	150 °C	
8.0 mm	150 °C	
RTI Imp		UL 746B
1.0 mm	150 °C	
3.0 mm	150 °C	
5.0 mm	150 °C	
8.0 mm	150 °C	
RTI Str		UL 746B
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 Change	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C