



Component - Plastics

File Number: E40195

DOW CORNING CORP

2200 W Salzburg Rd, Auburn MI 48611



MS-1002(f1)

Silicone Molding Resin (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.

Flammability	Value	Test Method
Flame Rating		
1.00 mm, NC	HB	UL 94
3.00 mm, NC	HB	UL 94
5.00 mm, NC	V-1	UL 94 IEC 60695-11-10, -20
8.00 mm, NC	V-1, 5VA	UL 94 IEC 60695-11-10, -20
3.00 mm, NC	HB40	IEC 60695-11-10, -20
1.00 mm, NC	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		IEC 60695-2-12
1.00 mm	875 °C	
3.00 mm	960 °C	
8.00 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.00 mm	825 °C	
3.00 mm	900 °C	
8.00 mm	900 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.00 mm	PLC 4	
3.00 mm	PLC 2	
5.00 mm	PLC 1	
8.00 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.00 mm	PLC 1	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	23 kV/mm	ASTM D149 IEC 60243-1
Volume Resistivity	1.0E+18 ohms·cm	ASTM D257 IEC 60093
Thermal	Value	Test Method
RTI Elec		UL 746
1.00 mm	150 °C	
3.00 mm	150 °C	
5.00 mm	150 °C	
8.00 mm	150 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
1.00 mm	150 °C	
3.00 mm	150 °C	
5.00 mm	150 °C	
8.00 mm	150 °C	
RTI Str		UL 746
1.00 mm	150 °C	
3.00 mm	150 °C	
5.00 mm	150 °C	
8.00 mm	150 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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