



# Component - Plastics

File Number: E75704

WACKER CHEMIE AG  
JOHANNES-HESS-STRASSE 24, BURGHAUSEN 84489 DE



## LUMISIL®: LR 7601/(xz) A+B(f1)

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.

(xz) - Represents two digit numbers from 50 to 80 indicating hardness

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
13.0 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	960 °C	
3.0 mm	960 °C	
5.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	800 °C	
3.0 mm	960 °C	
5.0 mm	960 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
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 746
1.0 mm	PLC 0	
3.0 mm	PLC 0	
5.0 mm	PLC 0	
8.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	27 kV/mm	ASTM D149 IEC 60243-1
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093

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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	
13.0 mm	150 °C	
RTI Imp		UL 746
1.0 mm	150 °C	
3.0 mm	150 °C	
5.0 mm	150 °C	
8.0 mm	150 °C	
13.0 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	
13.0 mm	150 °C	
Physical	Value	Test Method
Dimensional Stability	0.24 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C