ELASTOSIL® LR 3003/30 A/B

Silicone

Wacker Chemie AG

Technical Data

Product Description

Silicone Rubber, LSR

Molded Seals, Plastics and Rubber Processing Molded Parts, Food Contact, Plastics and Rubber Processing Molded Parts, Technical, Plastics and Rubber Processing Technical Textiles, Technical Textiles Molded Parts, Automotive, Plastics and Rubber Processing Coating of Fabrics and Textiles, Technical Textiles Vibration Dampers, Automotive & Transportation

General			
Material Status	Commercial: Active		
UL Yellow Card ¹	 E75704-249839 		
Search for UL Yellow Card	 Wacker Chemie AG 		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Features	 Food Contact Acceptable 	General Purpose	
Uses	Automotive ApplicationsAutomotive Under the Hood	GasketsMembranes	SealsValves/Valve Parts
Processing Method	Injection Molding	Liquid Injection Molding (LIM)	

Uncured Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
Color	Clear/Transparent	Clear/Transparent	
Density	1.09 g/cm ³	1.09 g/cm ³	ISO 1183
Viscosity	150 Pa·s	150 Pa·s	DIN 53019
Cured Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	30	30	DIN 53505
Tensile Strength	1090 psi	7.50 MPa	DIN 53504
Tensile Elongation at Break	620 %	620 %	DIN 53504
Compression Set	10 %	10 %	DIN ISO 815-B
Tear Strength	131 lbf/in	23.0 kN/m	ASTM D624B
Rebound Resilience	61 %	61 %	DIN 53512
Electric Strength	580 V/mil	23 kV/mm	DIN IEC 243
Volume Resistivity	5.0E+15 ohms cm	5.0E+15 ohms cm	DIN IEC 93
Dissipation Factor (50 Hz)	2.0E-3	2.0E-3	DIN VDE 0303

Notes

¹ A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

² Typical properties: these are not to be construed as specifications.



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