

Technical Data

Product Description

Silicone Rubber, LSR

Molded Seals, Plastics and Rubber Processing
Molded Parts, Technical, Plastics and Rubber Processing
Molded Parts, Food Contact, Plastics and Rubber Processing
Molded Parts, Automotive, Plastics and Rubber Processing
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 • Europe • Latin America • North America
Features	• Food Contact Acceptable • General Purpose
Uses	• Automotive Applications • Automotive Under the Hood • Gaskets • Membranes • Seals • Valves/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	1.13 g/cm ³	1.13 g/cm ³	ISO 1183
Viscosity	370 Pa·s	370 Pa·s	DIN 53019

Cured Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	50	50	DIN 53505
Tensile Strength	1440 psi	9.90 MPa	DIN 53504
Tensile Elongation at Break	480 %	480 %	DIN 53504
Compression Set	13 %	13 %	DIN ISO 815-B
Tear Strength	166 lbf/in	29.0 kN/m	ASTM D624B
Rebound Resilience	62 %	62 %	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.