

Technical Data

Product Description

Silicone Rubber, LSR

Molded Parts, Technical, Plastics and Rubber Processing
 Molded Parts, Automotive, Plastics and Rubber Processing
 Molded Seals, Plastics and Rubber Processing
 Molded Parts, Food Contact, 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 | 420 Pa·s | 420 Pa·s | DIN 53019 |

| Cured Properties | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|---------------|
| Shore Hardness (Shore A) | 42 | 42 | DIN 53505 |
| Tensile Strength | 1450 psi | 10.0 MPa | DIN 53504 |
| Tensile Elongation at Break | 610 % | 610 % | DIN 53504 |
| Compression Set | 13 % | 13 % | DIN ISO 815-B |
| Tear Strength | 188 lbf/in | 33.0 kN/m | ASTM D624B |
| Rebound Resilience | 57 % | 57 % | 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.

