

Lubrizol Telene 1610 A/B & A/BK Dicyclopentadiene (DCPD)

Category : Polymer , Thermoset , Polydicyclopentadiene (PDCPD)

Material Notes:

Telene® is a two-component system based on extra-high purity dicyclopentadiene (DCPD). Telene® is processed using a standard high-pressure RIM Equipment (Reaction Injection Molding). Telene® results in a polymer showing a unique combination of stiffness and high impact resistance, as well as good thermal properties. Telene® is self-demolding without any need for release agents. Information provided by Noveon, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Telene-1610-AB-ABK-Dicyclopentadiene-DCPD.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D 792
Brookfield Viscosity	210 - 290 cP @Temperature 30.0 °C	210 - 290 cP @Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D 785
Tensile Strength, Yield	43.0 MPa	6240 psi	ISO 527
Elongation at Yield	5.0 %	5.0 %	ISO 527
Tensile Modulus	1.87 GPa	271 ksi	ISO 527
Flexural Strength	67.0 MPa	9720 psi	ISO 1783
Flexural Modulus	1.85 GPa	268 ksi	ISO 178
Izod Impact, Notched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	ASTM D 696
Maximum Service Temperature, Air	>= 180 °C	>= 356 °F	Exotherm Temp; Method 4
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D 648
Glass Transition Temp, Tg	155 °C	311 °F	Method 1
Smoke Density	1.33 - 1.66 min	1.33 - 1.66 min	At 30°C; Method 4

Processing Properties	Metric	English	Comments
Processing Temperature	60.0 °C	140 °F	non show side
	80.0 °C	176 °F	show side

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