

Lubrizol Telene 1620 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-1620-ABK-Dicyclopentadiene-DCPD.php

Physical Properties	Metric	English	Comments
Viscosity	1000 cP	1000 cP	265 sec; Calculated
Brookfield Viscosity	210 - 290 cP @Temperature 30.0 °C	210 - 290 cP @Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	ISO 527
Flexural Strength	67.0 MPa	9720 psi	ISO 1783
Flexural Modulus	1.85 GPa	268 ksi	ISO 178
Izod Impact, Notched (ISO)	22.0 kJ/m ²	10.5 ft-lb/in ²	ASTM D 256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 180 °C	>= 356 °F	Exotherm Temp; Method 4
Deflection Temperature at 1.8 MPa (264 psi)	112 °C	234 °F	ASTM D 648
Smoke Density	1.5 - 1.83 min	1.5 - 1.83 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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