

Telene® 1650 A/BK

Polydicyclopentadiene (pDCPD)

Property	Value	Unit	Test Standard
Physical Properties			
Specific Gravity	1.03	n.a	ISO 1183
Tensile Modulus	1870	MPa	ISO 527
Tensile Strength @ Yield	43	MPa	ISO 527
Elongation @ Yield	5	%	ISO 527
Flexural Strength	67	MPa	ISO 178
Flexural Modulus	1850	MPa	ISO 178
Compressive Modulus	1900	MPa	ISO 604
Compressive Strength	70	MPa	ISO 604
Shear Strength	53	MPa	ASTM D732
Impact Strength (notched Izod) @ 23 °C	30	KJ/m ²	ISO 180/A
Rockwell Hardness	114	HRR	ISO 2039-2
Glass Transition Temperature	155	°C	Method 1
Heat Distortion Temperature (under 1.8 MPa Load)	120	°C	ISO 75/A, T _{fe} 1,8
Linear Thermal Expansion	79 X 10 ⁻⁶	m/m/ °C	ISO 11359
Processing Parameters			
Smoke Time @ 30 °C	90 +/- 10	Sec	Method 4
Initial Viscosity @ 30 °C	310 to 390	Cps	Brookfield
Exotherm Temperature	>180	°C	Method 4

Typical properties. Not to be used for purposes of establishing specification(s).