

Telene® 1750X A/BK

Polydicyclopentadiene (pDCPD)

Property	Value	Unit	Test Standard
Physical Properties			
Specific Gravity	1.03	n.a	ASTM D792
Tensile Modulus	1850	MPa	ASTM D638
Tensile Strength @ Yield	46	MPa	ASTM D638
Elongation @ Yield	5	%	ASTM D638
Flexural Strength	72	MPa	ASTM D790
Flexural Modulus	1850	MPa	ASTM D790
Compressive Strength	62	MPa	ASTM D695
Compressive Modulus	2095	MPa	ASTM D695
Shear Strength	51	MPa	ASTM D732
Impact Strength (notched Izod) @ 23 °C	320	J/m	ASTM D256
Rockwell Hardness	85	HRR	ASTM D2240
Glass Transition Temperature	150	°C	Method 1
Heat Distortion Temperature (under 1.8 MPa Load)	113	°C	ASTM D648
Linear Thermal Expansion	79 X 10⁻⁶	m/m/ °C	ASTM E831
Processing Parameters			
Smoke Time @ 30 °C	30 to 80	Sec	Method 4
Initial Viscosity @ 30 °C	>210	Cps	Brookfield
Exotherm Temperature	>150	°C	Method 4

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