

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
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).