



PoliXL™ PPHT20N

PPH, 20% Talc Reinforced, Natural, Heat Stabilized

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.04 g/cc	1.04 g/cc	D792
Mold Shrinkage Parallel: 23 °C Perpendicular: 23°C	0.7-1.1% 0.7-1.2%	0.7-1.1% 0.7-1.2%	D955
Melt Flow Rate (2.16kg, 230 °C)	15g/10min	15g/10min	D1238
Ash (Glass-fiber)	20%	20%	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	5,300 psi	37 MPa	ISO 527
Tensile Strain (Break)	3 %	3%	ISO 527
Flexural Modulus	380,000psi	2140MPa	ISO 178
Flex Strength	8,500 psi	59 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	0.70 ft-lb/in	3.75 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 23°C	7.0 ft-lb/in	37.5 kJ/m ²	ISO 179
Notched Izod Impact Strength 23°C	0.50 ft-lb/in	2.65 kJ/m ²	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed 1.8 MPa Unannealed	- 162 °F	- 72°C	ISO 75
Melting Temperature	324 °F	162 °C	ISO 11357

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
0.71 mm	HB	HB	UL94
1.50 mm	HB	HB	UL94
3.00 mm	HB	HB	UL94



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