



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			D955
Parallel: 23 °C	1.0 % - 1.2 %	1.0 % - 1.2 %	
Perpendicular: 23°C	1.1 % - 1.3 %	1.1 % - 1.3 %	
Melt Flow Rate (2.16kg, 230 °C)	10 g/10min	10 g/10min	D1238
Ash (Filler)	20 %	20 %	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	5,050 psi	34 MPa	D638
Tensile Strain (Break)	20 %	20 %	D638
Flexural Modulus	350,000 psi	2,410 MPa	D790
Flex Strength	6,800 psi	47 MPa	D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	-	-	ISO 179
Charpy Unnotched Impact Strength 23°C	-	-	ISO 179
Notched Izod Impact Strength 23°C	0.6 ft-lb/in	3.5 kJ/m²	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed	244 °F	118 °C	ISO 75
1.8 MPa Unannealed	-	-	
Melting Temperature	324 °F	162 °C	DSC

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



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