



PolixL™ PPHT40BK

PPH, 40% Talc Reinforced, Black, Heat Stabilized

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.25 g/cc	1.25 g/cc	D792
Mold Shrinkage Parallel: 23 °C Perpendicular: 23°C	0.6-1.0% 0.6-1.1%	0.6-1.0% 0.6-1.1%	D955
Melt Flow Rate (2.16kg, 230 °C)	10g/10min	10g/10min	D1238
Ash (Glass-fiber)	40%	40%	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	4,641 psi	32 MPa	ISO 527
Tensile Strain (Break)	10 %	10%	ISO 527
Flexural Modulus	551,140psi	3,800MPa	ISO 178
Flex Strength	7,100 psi	49 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	0.73 ft-lb/in	3.87 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 23°C	5.62 ft-lb/in	30 kJ/m ²	ISO 179
Notched Izod Impact Strength 23°C	0.60 ft-lb/in	3.20 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	266 °F 189 °F	130°C 87°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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