



PoliXL™ PPHMG35BK

PPH, 35% Mineral/Fiberglass Reinforced, Black, Heat Stabilized

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.2 g/cc	1.2 g/cc	D792
Mold Shrinkage			D2240
Parallel: 23 °C	0.15 % - 0.35 %	0.15 % - 0.35 %	
Perpendicular: 23°C	0.45 % - 0.65 %	0.45 % - 0.65 %	
Melt Flow Rate (2.16kg, 230 °C)	10 g/10min	10 g/10min	D1238
Ash (Mineral/Glass-fiber)	35 %	35 %	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	7,250 psi	50 MPa	D638
Tensile Strain (Break)	5 %	5 %	ISO 527
Flexural Modulus	675,000 psi	4,650 MPa	D790
Flex Strength	11,000 psi	76 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	1 ft-lb/in	5.5 kJ/m ²	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75
0.45 MPa Unannealed	300 °F	149 °C	
1.8 MPa Unannealed	271 °F	133 °C	
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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