



PoliXL™ PPCGF15BK

PPC, 15% Fiberglass Reinforced, Black, Heat Stabilized

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.01 g/cc	1.01 g/cc	D792
Mold Shrinkage Parallel: 23 °C Perpendicular: 23°C	0.25 % - 0.45 % 0.8 % - 1 %	0.25 % - 0.45 % 0.8 % - 1 %	D955
Melt Flow Rate (2.16kg, 230 °C)	10 g/10min	10 g/10min	D1238
Ash (Glass-fiber)	15 %	15 %	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	6,800 psi	47 MPa	ISO 527
Tensile Strain (Break)	5 %	5 %	ISO 527
Flexural Modulus	350,000 psi	2,415 MPa	ISO 178
Flex Strength	-	-	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	1.8 ft-lb/in	10 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 23°C	12 ft-lb/in	63 kJ/m ²	ISO 179
Notched Izod Impact Strength 23°C	1.6 ft-lb/in	8.5 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	239 °F -	115 °C -	ISO 75
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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