



PolixL™ PPCGF20BK

PPC, 20% Fiberglass Reinforced, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.05 g/cc	1.05 g/cc	D792
Mold Shrinkage Parallel: 23 °C	0.3-0.5%	0.3-0.5%	D955
Perpendicular: 23°C	0.6-0.9%	0.6-0.9%	
Melt Flow Rate (2.16kg, 230 °C)	15 g/10min	15 g/10min	D1238
Ash (Glass-fiber)	20%	20%	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	8500 psi	65 MPa	ISO 527
Tensile Strain (Break)	3 %	3%	ISO 527
Flexural Modulus	505,000 psi	4100MPa	ISO 178
Flex Strength	12,500 psi	86 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	1.3 ft-lb/in	6.8 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 23°C	8.25ft-lb/in	44 kJ/m ²	ISO 179
Notched Izod Impact Strength 23°C	1.3 ft-lb/in	6.8 kJ/m ²	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed	-	-	ISO 75
1.8 MPa Unannealed	248 °F	120°C	
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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