



PoliXL™ PCM18BK

PC, Melt Index 18, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.20 g/cc	1.20 g/cc	D792
Water Absorption Equilibrium, 23 °C, 50% RH	0.15 %	0.15 %	D570
Melt Flow Rate (1.2kg, 300 °C)	18 g/10min	18 g/10min	D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	9000 psi	62 MPa	D638
Tensile Strain (Break)	70 %	70 %	D638
Flexural Modulus	340000 psi	2340 MPa	D790
Flex Strength	14000 psi	95 MPa	D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength 23°C	15 ft-lb/in	80 kJ/m ²	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 Mpa, Unannealed 1.8 MPa Unannealed °C	275 °F 266 °F	135 °C 130 °C	ISO 75
Glass Transition Temperature	293 °F	145 °C	DSC

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
0.750 mm	V-2	V-2	UL94
2.00 mm	V-2	V-2	UL94
4.00 mm	V-1	V-1	UL94



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