



# PoliXL™ PCM18BK

PC, Melt Index 18, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.2 g/cc	1.2 g/cc	D792
Mold Shrinkage			D955
Parallel: 23 °C	-	-	
Perpendicular: 23°C	-	-	
Melt Flow Rate (2.16kg, 230 °C)	18 g/10min	18 g/10min	D1238
Ash (Glass-fiber)	-	-	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	9,000 psi	62 MPa	D638
Tensile Strain (Break)	70 %	70 %	D638
Flexural Modulus	340,000 psi	2,340 MPa	D790
Flex Strength	14,000 psi	95 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	15 ft-lb/in	80 kJ/m <sup>2</sup>	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75
0.45 MPa Unannealed	275 °F	135 °C	
1.8 MPa Unannealed	266 °F	130 °C	
Melting Temperature	-	-	DSC

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
0.71 mm	V-2	V-2	UL94
1.50 mm	V-2	V-2	UL94
3.00 mm	V-1	V-1	UL94



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