



PoliXL™ PCABS8BK

PC/ABS, Notched Izod 8, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.18 g/cc	1.18 g/cc	D792
Mold Shrinkage			D955
Parallel: 23 °C	0.5 % - 0.7 %	0.5 % - 0.7 %	
Perpendicular: 23°C	0.5 % - 0.7 %	0.5 % - 0.7 %	
Melt Flow Rate (2.16kg, 230 °C)	10 g/10min	10 g/10min	D1238
Ash (Glass-fiber)	-	-	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	8,700 psi	60 MPa	D638
Tensile Strain (Break)	25 %	25 %	D638
Flexural Modulus	330,000 psi	2,270 MPa	D790
Flex Strength	12,000 psi	80 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	8 ft-lb/in	43 kJ/m ²	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed	-	-	ISO 75
1.8 MPa Unannealed	234 °F	112 °C	
Melting Temperature	-	-	DSC

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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