



PoliXL™ ABSN4BK

ABS, Notched Izod 4, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.05 g/cc	1.05 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)	8 g/10min	8 g/10min	D1238
Ash (Glass-fiber)	-	-	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	6,380 psi	44 MPa	D638
Tensile Strain (Break)	2.1 %	2.1 %	D638
Flexural Modulus	338,000 psi	2,330 MPa	D790
Flex Strength	10,400 psi	71 MPa	D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	2.4 ft-lb/in	12.6 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 23°C	NB	NB	ISO 179
Notched Izod Impact Strength 23°C	4 ft-lb/in	21 kJ/m ²	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75
0.45 MPa Unannealed	201 °F	94 °C	
1.8 MPa Unannealed	178 °F	81 °C	
Melting Temperature	-	-	DSC

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



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