



PoliXL™ HIPS N2BK

HIPS, Notched Izod 2, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.04 g/cc	1.04 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)	4 g/10min	4 g/10min	D1238
Ash (Glass-fiber)	-	-	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	2,800 psi	19.3 MPa	D638
Tensile Strain (Break)	30 %	30 %	D638
Flexural Modulus	2,500,000 psi	1,723.7 MPa	D790
Flex Strength	5,000 psi	35 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	8 ft-lb/in	42 kJ/m²	ISO 179
Charpy Unnotched Impact Strength 23°C	NB	NB	ISO 179
Notched Izod Impact Strength 23°C	2.1 ft-lb/in	11 kJ/m²	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed	-	-	ISO 75
1.8 MPa Unannealed	180 °F	82 °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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