



PolixL PA66GHI14BKB

PA66, 14% Glass Filled High Impact, Black Heat Stab, Lubricated

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.19 g/cc	1.19 g/cc	ISO 1183
Mold Shrinkage Parallel: 23 °C Perpendicular: 23°C	1.0% 1.5%	1.0% 1.5%	D955
Melt Flow Rate (2.16kg, 230 °C)	-	-	D1238
Ash (Glass-fiber)	14 %	14 %	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	13,000 psi	90 MPa	ISO 527
Tensile Strain (Break)	5 %	5 %	ISO 527
Flexural Modulus	570,000psi	3.93 GPa	ISO 178
Flex Strength	17,400 psi	120 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	3.4 ft-lb/in	18 kJ/m2	ISO 179
Charpy Unnotched Impact Strength 23°C	-	-	ISO 179
Notched Izod Impact Strength 23°C	3.2 ft-lb/in	17 kJ/m2	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed 1.8 MPa Unannealed	482°F 433°F	260°C 223°C	ISO 75
Melting Temperature	500°F	260°C	ISO 11357

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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