



# PoliPIR PCABSGYM

6 Notched Izod, PCABS, Medium Grey

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.03 g/cc	1.03 g/cc	D792
Mold Shrinkage Parallel: 23 °C Perpendicular: 23°C	- -	- -	D955
Melt Flow Rate (2.16kg, 230 °C)	15 g/cc	15 g/cc	D1238
Ash (Glass-fiber)	0 %	0 %	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	7,000 psi	57 MPa	ISO 527
Tensile Strain (Break)	5%	5%	ISO 527
Flexural Modulus	320,000psi	2137 MPa	ISO 178
Flex Strength	10,000 psi	69 MPa	ISO 178

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	6.0 ft-lb/in	32 kJ/m <sup>2</sup>	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 0.45 MPa Unannealed 1.8 MPa Unannealed	- 234 F	- 112 C	ISO 75
Melting Temperature	-	-	D3418

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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