

POLIMID B 15 GF NATURAL

PA 6 – 15% GLASS FIBER REINFORCED

Properties	Standard	Unit	Typical Values
PHYSICAL & THERMAL			
Density	ISO 1183	g/cm ³	1,24
Melting Point	DSC	°C	222
Mold Shrinkage (average)	ISO 294-4	%	0,5 - 0,9
Moisture Absorption (equilibrium) 23°C – 50% RH	ISO 62	%	2,5
Vicat Softening Temperature A 9,8 N	ISO 306	°C	215
Heat Deflection Temperature 0,45 MPa	ISO 75-2	°C	210
Heat Deflection Temperature 1,81 MPa	ISO 75-2	°C	195
Heat Resistance / Ball Pressure Test	IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load) 20.000 h	IEC 60216	°C	110

MECHANICAL			<i>DAM / Conditioned</i>
Tensile Strength at Yield	ISO 527	MPa	-
Tensile Strength at Break	ISO 527	MPa	130 / 70
Tensile Modulus	ISO 527	MPa	6000 / 3600
Tensile Strain at Yield	ISO 527	%	-
Tensile Strain at Break	ISO 527	%	3,5 / 7,0
Izod - Notched Impact Strength	ISO 180/A	kJ/m ²	6,5 / 13,0
Izod - Unnotched Impact Strength	ISO 180/U	kJ/m ²	40 / 64

ELECTRICAL & FLAME RETARDANCY			
Comparative Tracking Index (CTI)	IEC 60112	V	600
Flammability 3,2 / 1,6 / 0,8 mm	UL 94	-	HB / HB / -
Burning Rate	FMVSS302 ISO 3795	mm/min	<102
Glow Wire Flammability Index GWFI - 2 mm	IEC 60695-2-12	°C	650

Molding Conditions (suggested)		
Drying Temperature ≥ 3 h / 80 - 90°C	Molding temperature ----- 230 - 260°C	Mold temperature-----80 - 90°C

The information contained herein are supplied in good faith and given purely as an indication. Properties should be carefully evaluated for all projects' requirements. Unless otherwise specified, this product is not suitable for food and/or medical application and use. They shall not be considered in any way as a formal commitment or warranty from our company, especially in case of improper use of our products from third parties.