

POLYTEC PP-GF

EI POLYTEC PP-GF is a pressed homopolymer polypropylene, reinforced with chemically coupled glass fiber. It has a very high stiffness, keeping good impact strenght at every range of temperature and a low warpage and shinking behaviour.

PROPERTIES	UNITS	TEST METHOD	VALUE
Properties			
Density	g/cm ³	ISO 1183	1.12
Mechanical porperties at 23 ° C			
Tensile modulus of elasticity	MPa	ISO 178	5800
Tensile strenght at break	MPa	ISO 527-2	92
Elongation at break	%	ISO 527-2	3
Impact strenght IZOD 23 °C notched -20 °C notched	KJ/m ²	ISO 180	11.5 9
Shore Hardness D (15s)	SHORE	ISO 868	79
Thermal Properties			
Temp. of deflection under load: HDT/A 0.45 MPa (4.6 kg/cm ²) HDT/A 1.80 MPa (18.6 kg/cm ²)	°C	ISO 75	159 145
VICAT softening temperature (10N, 120°/h)	°C	ISO 306	163
VICAT softening temperature (50N, 120°/h)	°C	ISO 306	133

Note: 1g/cm³ = 1,000 kg/m³; 1Mpa= 1N/mm² ; 1kV/mm = 1MV/m

* These data are very useful for the choice of material. The data listed here are indicative values and should not be used to establish specification limits of the material. From these values may not be deducted a legally binding of security of certain properties or the suitability for a particular application.