

PIBITER HI G5011 G4 - PBT

Description

PBT, 20% GF reinforced, high viscosity, weathering resistant, impact resistant
PIBITER HI G5011 G4 is a Glass Fiber reinforced, Impact modified PBT/PC polymer alloy with medium fluidity

Physical properties	Value	Unit	Test Standard
Density	84.3	lb/ft ³	ISO 1183
Melt flow rate, MFR	5	g/10min	ISO 1133
MFR temperature	482	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	870228	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	14500	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	2	%	ISO 527-1, -2
Flexural modulus, 23°C	928000	psi	ISO 178
Charpy impact strength, 23°C	30.9	ft-lb/in ²	ISO 179/1eU
Charpy notched impact strength, 23°C	3.33	ft-lb/in ²	ISO 179/1eA
Izod impact notched, 23°C	3.33	ft-lb/in ²	ISO 180/1A

Characteristics

Special Characteristics	High viscosity
Product Categories	Glass reinforced, Impact modified, Polymer blend
Processing	Injection molding
Delivery Form	Pellets