PLUSTEK PB300G6NT

Polyamide 6+GF

Product Description:

PLUSTEK PB300G6NT is Natural, 30% Glass Fiber Reinforced Polyamide 6 Injection Molding Applications

Product Information:

Characteristic	Unit	Test method	Property value
Physical			
Density	g/cm³	ISO 1183	1.36
Moisture absorption equilibrium 23C/50RH	%	ISO-62	2
Mold Shrinkage Flow 2mm	%	Internal	0.1
Mold Shrinkage X Flow 2mm	%	Internal	0.4
Water absorption, equilibrium at 23C	%	ISO-62	6.5
Mechanical			
Flexural Modulus	MPa	ISO 178	8700
Flexural Modulus Conditioned	MPa	ISO 178	5000
Flexural Strength	MPa	ISO 178	290
Flexural Strength Conditioned	MPa	ISO 178	184
Strain at Break	%	ISO 527-2/1A	3.5
Strain at Break Conditioned	%	ISO 527-2/1A	3.2
Tensile Modulus	MPa	ISO 527-2/1A	10000
Tensile Modulus Conditioned	MPa	ISO 527-2/1A	7600
Tensile Strength	MPa	ISO 527-2/1A	190
Tensile Strength Conditioned	MPa	ISO 527-2/1A	128
Impact			
Notched IZOD Impact Conditioned	kJ/m²	ISO 180	23
Notched Izod Impact	kJ/m²	ISO 180ISO 1	17
Thermal			
HDT 0.45MPa	°C	ISO-75	220
HDT 1.8MPa	°C	ISO-75	210
Flammability			
G.W.F.I 1.5mm	°C	IEC 60695	960

Characteristic	Unit	Test method	Property value

Regulations:

ROHS2: ROHS Compliance
SVHC: SVHC Compliance

Pre Drying Temperature: 80°C
Pre Drying Duration: 2-4 Hours
Max Moisture: 0.15%

Processing recommendations:
Recommended Mold Temperature: 65-80°C
Feed: 60-70°C
Zone 1: 240-280°C
Zone 2: 240-280°C
Zone 3: 240-280°C

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