

Technical Data Sheet

Polyfort FIPP 30GBC NAT

Polypropylene Copolymer



Product Description

30% glass bead filled PP copolymer

Processing Method Injection Molding

Attribute Copolymer

Filler/Reinforcement Glass Bead, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	13	cm ³ /10 min	ISO 1133
Density, (Method A)	1.11	g/cm ³	ISO 1183
Mechanical			
Flexural Strain at Flexural Strength	5.3	%	ISO 178
Tensile Stress at Yield, (Type 1A, 50 mm/min)	20.0	MPa	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1500	MPa	ISO 527-1
Flexural Stress	34	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	11	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	75.0	MPa	ISO 2039-1
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	86.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	48.0	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*cm	IEC 60093
Surface Resistivity	>1.0E+15	ohm	IEC 60093

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C