Technical Data Sheet

Polyfort FIPP 20GFC UV A NAT

Polypropylene Copolymer

Product Description

20% glass fiber reinforced PP Copolymer, chemically coupled, UV Stabilized

Processing Method	Injection Molding
Attribute	Chemically Coupled; Copolymer; UV Stabilized
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	17	cm³/10 min	ISO 1133
Density, (Method A)	1.05	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	4.0	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	60.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	4200	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	10	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	41	kJ/m²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	157	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	135	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795

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