

Technical Data Sheet

Polyfort TCGPP-0130U WH1185WHI



Polypropylene, Homopolymer

Product Description

30% Glass Fiber Reinforced, Chemically Coupled, Homopolymer Polypropylene Melt Flow Adjustable for Application Colors Available Add "U" for UV Stabilized Add "H" for Heat Stabilized

Processing Method	Injection Molding
Attribute	Chemically Coupled; Homopolymer
Appearance	Colors Available
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	75.8	MPa	ASTM D638
Flexural Modulus	4650	MPa	ASTM D790
Tensile Elongation at Break	4	%	ASTM D638
Flexural Strength	108	MPa	ASTM D790
Impact			
Notched Izod Impact, (3.18 mm)	64	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	141	°C	ASTM D648

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