

Technical Data Sheet

Polyfort J-60/20/E4 NATLNAT



Polypropylene, Homopolymer

Product Description

Polyfort J-60/20/E4 NATLNAT is a Polypropylene Homopolymer Glass Fiber, 20% filled material. Features include: Chemically Coupled, and Homopolymer.

Attribute	Chemically Coupled; Homopolymer
Forms	Pellets
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	68.9	MPa	ASTM D638
Tensile Elongation at Yield, (23 °C)	3.5	%	ASTM D638
Flexural Modulus, (23 °C, Tangent)	3790	MPa	ASTM D790
Tensile Modulus, (23 °C)	4140	MPa	ASTM D638
Flexural Strength, (23 °C)	93.1	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	64	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	100 to 110		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	149	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	157	°C	ASTM D648
Additional Information			
Water Absorption at 24 hrs	0.03	%	ASTM D570