

Technical Data Sheet

Polyfort J-60/30/E NATLNAT



Polypropylene, Homopolymer

Product Description

Polyfort J-60/30/E NATLNAT is a Polypropylene Homopolymer Glass Fiber, 30% filled material. Features include: Chemically Coupled, and Homopolymer.

Attribute	Chemically Coupled; Homopolymer
Forms	Pellets
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.12	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	82.7	MPa	ASTM D638
Tensile Elongation at Yield, (23 °C)	3.0	%	ASTM D638
Flexural Modulus, (23 °C, Tangent)	4830	MPa	ASTM D790
Tensile Modulus, (23 °C)	5860	MPa	ASTM D638
Flexural Strength, (23 °C)	107	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	80	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	105		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	152	°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