

# Polyfort J-60/20/E4 NATLNAT

## LyondellBasell Industries - Polypropylene Homopolymer

### General Information

#### Product Description

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

#### General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Forms	• Pellets

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	600000	psi	ASTM D638
Tensile Strength (73°F)	9990	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	3.5	%	ASTM D638
Flexural Modulus - Tangent (73°F)	550000	psi	ASTM D790
Flexural Strength (73°F)	13500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.2	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100 to 110		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	315	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	300	°F	ASTM D648