

Polyfort J-60/30/E4 BK223BLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort J-60/30/E4 BK223BLK is a Polypropylene Homopolymer Glass Fiber, 30% filled material. Features include: Chemically Coupled, and Homopolymer.

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	850000	psi	ASTM D638
Tensile Strength (73°F)	12000	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	3.0	%	ASTM D638
Flexural Modulus - Tangent (73°F)	701000	psi	ASTM D790
Flexural Strength (73°F)	15500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.5	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		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	306	°F	ASTM D648