

Polyfort FPP 30GFC SN NAT NOM

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

30% glass fibre reinforced PP homopolymer, chemically coupled, easy flow

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Chemically Coupled • Good Flow • Homopolymer
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	17	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	957000	psi	ISO 527-1/1A/1
Tensile Stress (Break)	12300	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.6	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft-lb/in ²	ISO 179/1eU
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	17400	psi	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	313	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	297	°F	ISO 75-2/ Af
Vicat Softening Temperature			
--	264	°F	ISO 306/B50
--	324	°F	ISO 306/A120
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·cm	IEC 60093

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F