

Polyfort FPP 3707U-1714 WHITEWHI

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort FPP 3707U-1714 is an 18% Calcium-Filled Polypropylene Homopolymer

General

Filler / Reinforcement	• Calcium Carbonate, 18% Filler by Weight
Appearance	• White
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4370	psi	ASTM D638
Tensile Elongation (Break)	36	%	ASTM D638
Flexural Modulus ³	293000	psi	ASTM D790
Flexural Strength	7010	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.75	ft·lb/in	ASTM D256
Gardner Impact	8.40	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	239	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

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
Injection Rate	Moderate-Fast	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.051 in/min