

Polyfort FPP 1220U-3120 01 BLACK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort FPP 1220U 3120 is a 20% Glass Fiber Reinforced, UV Stabilized Polypropylene

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• UV Stabilizer
Features	• UV Stabilized
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR)	9.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7860	psi	ASTM D638
Tensile Elongation (Break)	6.7	%	ASTM D638
Flexural Modulus - Tangent ²	544000	psi	ASTM D790
Flexural Strength	12200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	302	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	248	°F	ASTM D648

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 0.051 in/min