

Polyfort FPP 3810-01 NATURAL

LyondellBasell Industries - Polypropylene

General Information

Product Description

20% calcium carbonate filled, impact copolymer polypropylene

General

Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Processing Method	• Injection Molding

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)	22	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2760	psi	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus ³	193000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.1	ft·lb/in	ASTM D256
Instrumented Dart Impact (73°F)	292	in·lb	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	176	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	120	°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 2.0 in/min

³ 0.051 in/min