

Polyfort FPP 1642-31 BLACK

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP 70% Barium Sulfate

General

Filler / Reinforcement	• Barium Sulfate, 70% Filler by Weight
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	2.06		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2470	psi	ASTM D638
Flexural Modulus ³	566000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.45	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	153	°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