

Polyfort FPP 1006E-01 NATURAL

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort FPP 1006E-01 is a 20% Talc-Filled Polypropylene Natural color, with consistent physical and mechanical properties.

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Appearance	• Natural Color
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)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	370000	psi	ISO 527-1
Tensile Strength (Yield)	4930	psi	ASTM D638
Flexural Modulus - Tangent	390000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.6	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	167	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Cylinder Zone 1 Temp.	320 to 356	°F
Cylinder Zone 2 Temp.	338 to 374	°F
Cylinder Zone 3 Temp.	356 to 392	°F
Cylinder Zone 4 Temp.	365 to 410	°F
Cylinder Zone 5 Temp.	374 to 419	°F
Die Temperature	374 to 419	°F