

# Polyfort FPP 70BS L NAT

## LyondellBasell Industries - Polypropylene Homopolymer

### General Information

#### Product Description

70% Bariumsulfate filled PP-Homopolymer with high gloss, low shrinkage and good impact

#### General

Filler / Reinforcement	• Barium Sulfate, 70% Filler by Weight
Features	• Good Impact Resistance • High Gloss • Low Shrinkage
Processing Method	• Injection Molding

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.99	g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	406000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	2610	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	ft-lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft-lb/in <sup>2</sup>	ISO 179/1eU
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	11200	psi	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	131	°F	ISO 75-2/Af
Vicat Softening Temperature	302	°F	ISO 306/A50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·m	IEC 62631-3-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	< 3.9	in/min	ISO 3795
0.0787 in	< 3.9	in/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 in	HB		
0.12 in	HB		

### 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