

Polyfort FPP 40TF K2089 BLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

40% talc filled PP homopolymer, easy flow

General

Filler / Reinforcement	• Talc, 40% Filler by Weight
Features	• Good Flow • Homopolymer
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	16	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	450000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	3920	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	0.95	ft·lb/in ²	
73°F	0.95	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	4.8	ft·lb/in ²	
73°F	8.6	ft·lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	13500	psi	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	248	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	162	°F	ISO 75-2/Af
Vicat Softening Temperature	205	°F	ISO 306/B50
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	2.8	in/min	ISO 3795
0.0787 in	2.8	in/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 in	HB		
0.12 in	HB		

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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