

Polyfort FPP 40T LE K2274 GRY61465

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

40% talc-filled PP-Homopolymercompound, low emission and low odour

General

Filler / Reinforcement	• Talc, 40% Filler by Weight
Features	• Homopolymer
Processing Method	• Injection Molding
Resin ID	• PP-H 40T LE

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	8.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	580000	psi	ISO 527-1/1A/1
Tensile Stress (Break)	4350	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	0.86	ft·lb/in ²	
73°F	1.2	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	5.2	ft·lb/in ²	
73°F	9.5	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	266	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	194	°F	ISO 75-2/Af
Vicat Softening Temperature			
--	194	°F	ISO 306/B50
--	311	°F	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	1.9	in/min	FMVSS 302
0.0787 in	1.9	in/min	ISO 3795
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		
Flammability Classification			IEC 60695-11-10, -20
0.06 in	HB		
0.12 in	HB		

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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