

Hostacom FPP 22T K1093 LE BLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

22% mineral filled PP homopolymer, heat stabilized Former name: Polyfort FPP 22T K1093

General

Filler / Reinforcement	• Mineral, 22% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer • Low Emissions
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	18	cm ³ /10min	ISO 1133
Water Absorption (Equilibrium, 73°F, 50% RH)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	348000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	4350	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.5	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft-lb/in ²	ISO 179/1eU
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	158	°F	ISO 75-2/Af
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
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in	1340	°F	
0.12 in	1340	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 in	1380	°F	
0.12 in	1380	°F	

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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

Notes

¹ Typical properties: these are not to be construed as specifications.