Polyfort FPP 35 GFC LM CS1 BWN15035

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

35 % glass fiber reinforced PP-Homopolymer, long term heat stabilized

General

Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight	
Additive	• Copper Stabilizer	
Features	• Chemically Coupled • Copper Contact Stabilized	• Homopolymer • Laser Markable
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	5.0	cm³/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1.10E+6	psi	ISO 527-1/1A/1
Tensile Stress (Break)	13100	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	3.8	ft·lb/in²	
73°F	4.3	ft·lb/in²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	21	ft·lb/in²	
73°F	23	ft·lb/in²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	318	°F	ISO 75-2/Bf
Deflection Temperature Under Load			ISO 75-2/Af
264 psi, Unannealed	293	°F	
Ball Pressure Test (293°F)	Pass		IEC 60695-10-2
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate			
0.0787 in	2.4	in/min	FMVSS 302
0.0787 in	2.4	in/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.06 in	HB		
0.12 in	HB		
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in	1380	°F	
0.12 in	1380	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 in	1430	°F	
0.12 in	1430	°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
Injection Rate	Moderate-Fast	