

Polyfort FPP 1006U-31 32 BLACK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

20% talc filled PP Homo Compound, UV stabilized

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• UV Stabilizer
Features	• UV Stabilized
Appearance	• Colors Available
Processing Method	• Injection Molding
Resin ID	• PP T20 UV

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)	14	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	377000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	4060	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/1A/50
Flexural Modulus ²	421000	psi	ISO 178
Flexural Stress ²			ISO 178
3.5% Strain	6530	psi	
5.8% Strain	7250	psi	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.0	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	15	ft-lb/in ²	ISO 179/1eU
Notched Izod Impact Strength (73°F)	1.1	ft-lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	11	ft-lb/in ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	253	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	149	°F	ISO 75-2/Af
Vicat Softening Temperature			
--	199	°F	ISO 306/B50
--	306	°F	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	1.7	in/min	FMVSS 302
0.0787 in	1.7	in/min	ISO 3795

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr

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Injection	Nominal Value	Unit
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Injection Rate	Moderate-Fast	

Notes

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

² 0.079 in/min