

Polyfort FIPP 10T K2369 GRY61205

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polypropylen Copolymer 10% talc filled

General

Filler / Reinforcement	• Talc
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	30	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	160000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	2470	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	1.4	ft-lb/in ²	
73°F	7.6	ft-lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	9.5	ft-lb/in ²	
73°F	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	145	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	117	°F	ISO 75-2/Af
Vicat Softening Temperature			
--	133	°F	ISO 306/B50
--	255	°F	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	< 3.9	in/min	FMVSS 302
0.0787 in	< 3.9	in/min	ISO 3795

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	