

Polyfort TPP20AO27NA-NANAT

LyondellBasell Industries - Polypropylene

General Information

Product Description

20% Talc Filled, Impact Modified, UV and Heat Stabilized Polypropylene, Natural

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• Impact Modifier
Features	• Good Dimensional Stability • Good Impact Resistance • Impact Modified
Uses	• General Purpose
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	4280	psi	ASTM D638
Flexural Modulus - Chord	390000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.5	ft-lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	221	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	156	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	399 to 410	°F
Middle Temperature	410 to 415	°F
Front Temperature	415 to 421	°F
Nozzle Temperature	421 to 424	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Back Pressure	20.0 to 50.0	psi
Screw Speed	100 to 150	rpm
Clamp Tonnage	2.0 to 3.0	tons/in ²