

Polyfort TPP40AE04UL-NANAT

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort TPP40AE04UL-NANAT is a Polypropylene Homopolymer Talc, 40% filled material and is typically used in Injection Molding applications. Features include: Heat Stabilized, and Homopolymer.

General

Filler / Reinforcement	• Talc, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	4900	psi	ASTM D638
Tensile Elongation (Break, 73°F)	6.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	479000	psi	
Tangent : 73°F	622000	psi	
Flexural Strength (73°F)	8090	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.51	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	3.9	ft-lb/in	ASTM D4812
Gardner Impact (73°F)	5.00	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	275	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	180	°F	ASTM D648

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