

Polyfort TPP10AT17BK-BKBLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort TPP10AT17BK-BKBLK is a Polypropylene, Unspecified Talc, 10% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

General

Filler / Reinforcement	• Talc, 10% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Forms	• Pellets
Processing Method	• Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.970		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	2700	psi	ASTM D638
Tensile Elongation (Break, 73°F)	150	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	125000	psi	
Tangent : 73°F	135000	psi	
Flexural Strength (Yield, 73°F)	3310	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	11	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	No Break		ASTM D4812
Gardner Impact	265	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	165	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	120	°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