

Polyfort TPP10AT23NA-NANAT

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP TPP10AT23 is a Polypropylene product filled with 10% talc.

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	0.920		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.85	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	2320	psi	ISO 527-2/50
Tensile Elongation (Break, 73°F)	150	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	125000	psi	
Tangent : 73°F	135000	psi	
Flexural Modulus ²	94300	psi	ISO 178
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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	165	°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

Notes

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

² 0.079 in/min