

Technical Data Sheet

Ferro Pp TPP10AT23

Polypropylene
LyondellBasell Industries
Engineering Plastics

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.920	0.918 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	0.85 g/10 min	0.85 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	2320 psi	16.0 MPa	ISO 527-2/50
Tensile Elongation (Break, 73°F (23°C))	150 %	150 %	ASTM D638
Flexural Modulus			
1% Secant : 73°F (23°C)	125000 psi	862 MPa	ASTM D790
Tangent : 73°F (23°C)	135000 psi	931 MPa	ASTM D790
-- 1	94300 psi	650 MPa	ISO 178
Flexural Strength (Yield, 73°F (23°C))	3300 psi	22.8 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	11 ft·lb/in	590 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	165 °F	73.9 °C	

Additional Information

Filler Content, ASTM D2584: 10%

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

¹ 0.079 in/min (2.0 mm/min)

Notes

These are typical property values not to be construed as specification limits.