

Technical Data Sheet

Ferro Pp TPP25AP94NA

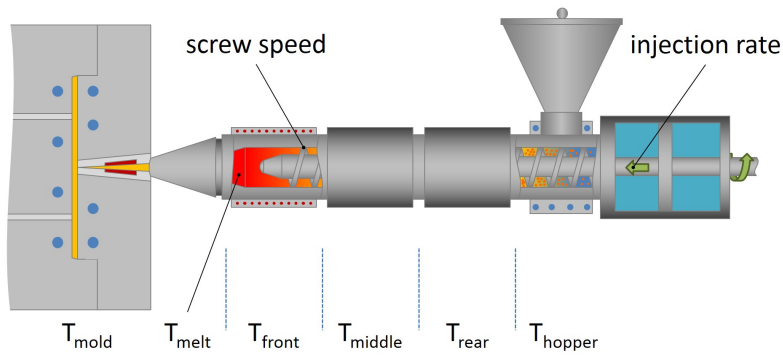
Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Talc, 25% Filler by Weight		
Additive	• UV Stabilizer		
Features	• Copolymer		
Forms	• Pellets		
Processing Method	• Injection Molding		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.09	1.09 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield, 73°F (23°C))	3650 psi	25.2 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	239000 psi	1650 MPa	
Tangent : 73°F (23°C)	281000 psi	1940 MPa	
Flexural Strength ² (Yield, 73°F (23°C))	4950 psi	34.1 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.5 ft·lb/in	82 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	230 °F	110 °C	
264 Psi (1.8 Mpa), Unannealed	133 °F	56.0 °C	
Additional Information			
Filler Content, ASTM D2584: 25%			

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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

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Notes

¹ 20 in/min (500 mm/min)

² 0.051 in/min (1.3 mm/min)

Notes

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