

Technical Data Sheet

Ferro Pp TPP20AR14WH

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Talc, 20% Filler by Weight
Features	• Copolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	1.2 g/10 min	1.2 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3500 psi	24.1 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	130 %	130 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	196000 psi	1350 MPa	
Tangent : 73°F (23°C)	227000 psi	1560 MPa	
Flexural Strength (Yield, 73°F (23°C))	4600 psi	31.7 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	8.8 ft·lb/in	470 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	240 in·lb	27.1 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	200 °F	93.3 °C	
264 Psi (1.8 Mpa), Unannealed	145 °F	62.8 °C	

Additional Information
Filler Content, ASTM D2584: 20%

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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

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