

Technical Data Sheet

Ferro Pp TPP40AE56AL ALMOND

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Talc, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer
Appearance	• Almond
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	9.1 g/10 min	9.1 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	4800 psi	33.1 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	6.0 %	6.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	473000 psi	3260 MPa	
Tangent : 73°F (23°C)	639000 psi	4410 MPa	
Flexural Strength (73°F (23°C))	7950 psi	54.8 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.40 ft·lb/in	21 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	4.8 ft·lb/in	260 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	7.00 in·lb	0.791 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	276 °F	136 °C	
264 Psi (1.8 Mpa), Unannealed	181 °F	82.8 °C	

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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.