Technical Data Sheet

Ferro PP TPP40AF62UL

Polypropylene
Engineering Plastics

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14 g/10 min	14 g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.010 in/in	1.0 %	
Across Flow	0.013 in/in	1.3 %	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°F (23°C))	4300 psi	29.6 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	480000 psi	3310 MPa	
Tangent : 73°F (23°C)	541000 psi	3730 MPa	
Flexural Strength (73°F (23°C))	7200 psi	49.6 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°F (23°C))	0.70 ft·lb/in	37 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	4.5 ft·lb/in	240 J/m	ASTM D256
Gardner Impact (73°F (23°C))	38.0 in·lb	4.29 J	ASTM D3029
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	275 °F	135 °C	
264 psi (1.8 MPa), Unannealed	185 °F	85.0 °C	

Notes

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