Technical Data Sheet

Ferro Pp WPP10SD04BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Wollastonite (CaSiO3), 10% Filler by Weight	
Additive	• Heat Stabilizer	
Recycled Content	• Yes, 25%	
Features	• Heat Stabilized	• Homopolymer
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.980 g/cm³	0.980 g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	5.3 g/10 min	5.3 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield, 73°f (23°c))	4530 psi	31.2 MPa	ISO 527-2
Flexural Modulus - Tangent	290 psi	2.00 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength			ISO 180/1A
-40°f (-40°c)	1.3 ft·lb/in²	2.7 kJ/m²	
73°f (23°c)	1.9 ft·lb/in²	3.9 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	234 °F	112 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	147 °F	64.0 °C	ISO 75-2/A

Additional Information

Mineral Content, ISO 3451/1: 11%
Tensile Change, ISO 188, 1000 hr, 140°C: +12%
Izod Change, ISO 188, 1000 hr, 140°C: +4%

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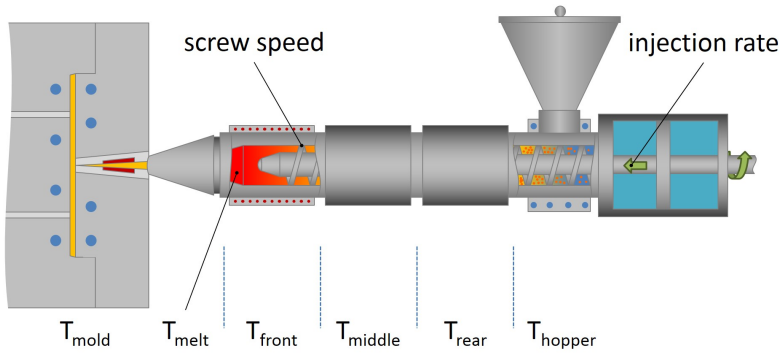

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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