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Technical Data Sheet

Ferro Pp TPP20AF34BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Filled	• Heat Stabilized	• Homopolymer
Uses	• Automotive Under the Hood	• Housings	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	4730 psi	32.6 MPa	ASTM D638
Flexural Modulus	404000 psi	2790 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256
-40°f (-40°c)	0.37 ft·lb/in	20 J/m	
73°f (23°c)	0.60 ft·lb/in	32 J/m	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	252 °F	122 °C	
264 Psi (1.8 Mpa), Unannealed	180 °F	82.0 °C	

Additional Information

Mineral Content, ASTM D2584: 20.5%
Thermal Oxidative Stability, ASTM D3012, 150°C: >500 hrs.

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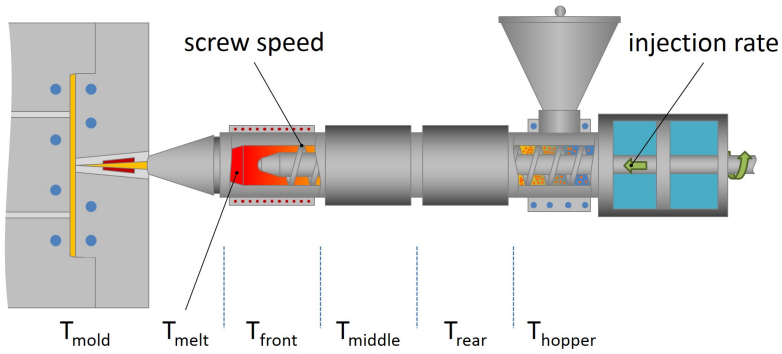

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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