Technical Data Sheet

Ferro Pp CPP30GF39BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description
25% minimum post consumer recycle (P.C.R.) Meets/Exceeds Ford Engineering Specification WSS-M4D927-A1. Primary end use is for emission carbon canister housings.

General		
Filler / Reinforcement	• Mineral, 31% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	• Homopolymer
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

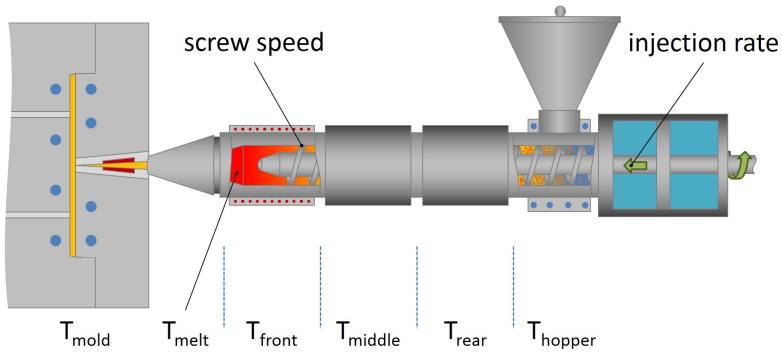
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm³	1.15 g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	7.3 g/10 min	7.3 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield, 73°f (23°c))	4150 psi	28.6 MPa	ISO 527-2
Flexural Modulus - Tangent	348000 psi	2400 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength			ISO 180
-40°f (-40°c)	0.95 ft·lb/in²	2.0 kJ/m²	
73°f (23°c)	2.2 ft·lb/in²	4.6 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	250 °F	121 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	156 °F	69.0 °C	ISO 75-2/A

Additional Information
Tensile/Izod Change, ISO 188, 1000 hours, 120°C: +10%/-1%

Technical Data Sheet

Ferro Pp CPP30GF39BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics



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.