

Technical Data Sheet

**Ferro Pp CPP30GF32GY**

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description

Meets/Exceeds Ford Engineering Specification WSS-M4D927-A1.
Primary end use is for emission carbon canister housings.

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Filler / Reinforcement	• Mineral, 30% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	• Homopolymer
Automotive Specifications	• FORD WSS-M4D927-A1	
Appearance	• Grey	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm ³	1.15 g/cm ³	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))	4100 psi	28.3 MPa	ISO 527-2
Flexural Modulus - Tangent	363000 psi	2500 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	0.90 ft·lb/in ²	1.9 kJ/m ²	
73°F (23°C)	2.0 ft·lb/in ²	4.3 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	248 °F	120 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	154 °F	68.0 °C	ISO 75-2/A

Additional Information

Tensile/Izod Change, ISO 188, 1000 hours, 120°C: +4%/-7%

Technical Data Sheet



Ferro Pp CPP30GF32GY

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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2024

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.