

Technical Data Sheet

**Ferro Pp TPP15AN76BK**

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Filler / Reinforcement	• Talc, 15% Filler by Weight		
Additive	• Heat Stabilizer		
Recycled Content	• Yes, 25%		
Features	• Heat Stabilized	• High Flow	• Homopolymer
Uses	• Automotive Applications	• Automotive Interior Parts	
Automotive Specifications	• FORD WSS-M4D841-A4	• FORD WSS-M4D841-A5	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
----------	-------------------------	--------------------	-------------

Density	1.00 g/cm ³	1.00 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	72 g/10 min	72 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
------------	-------------------------	--------------------	-------------

Tensile Stress (Yield, 73°F (23°C))	4000 psi	27.6 MPa	ISO 527-2
Flexural Modulus	283000 psi	1950 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
--------	-------------------------	--------------------	-------------

Notched Izod Impact Strength			ISO 180/A
-40°F (-40°C)	0.81 ft·lb/in ²	1.7 kJ/m ²	
73°F (23°C)	1.4 ft·lb/in ²	2.9 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
---------	-------------------------	--------------------	-------------

Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	239 °F	115 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	140 °F	60.0 °C	ISO 75-2/A

Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
-------	-------------------------	--------------------	-------------

Change in Tensile Strength in Air	1.0 %	1.0 %	ISO 188
-----------------------------------	-------	-------	---------

Additional Information

The values listed as Molding Shrinkage, ISO 294-4, were tested in accordance with ISO 2577.
Heat Aging Performance (Izod Retention), ISO 188: -8%

Technical Data Sheet



Ferro Pp TPP15AN76BK

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.