

Technical Data Sheet

Ferro Pp TPP15AN76BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
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%

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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.