

Technical Data Sheet

# Ferro Pp TPP30AJ41BK

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

25% minimum post consumer recycle (P.C.R.)  
 Meets/Exceeds Ford Engineering Specification WSS-M4D939-A1.  
 Primary end use is for AC/heater housings.

**General**

Filler / Reinforcement	• Talc, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• Homopolymer	
Automotive Specifications	• CHRYSLER MS-DB-500 CPN4353 Color: Black	• FORD WSS-M4D939-A1	• VISTEON VAM-PP01TF33-PCR001 Application 001
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm <sup>3</sup>	1.14 g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	15 g/10 min	15 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	4090 psi	28.2 MPa	ISO 527-2
Flexural Modulus	493000 psi	3400 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	1.0 ft·lb/in <sup>2</sup>	2.1 kJ/m <sup>2</sup>	
73°F (23°C)	1.3 ft·lb/in <sup>2</sup>	2.7 kJ/m <sup>2</sup>	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	252 °F	122 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	176 °F	80.0 °C	ISO 75-2/A

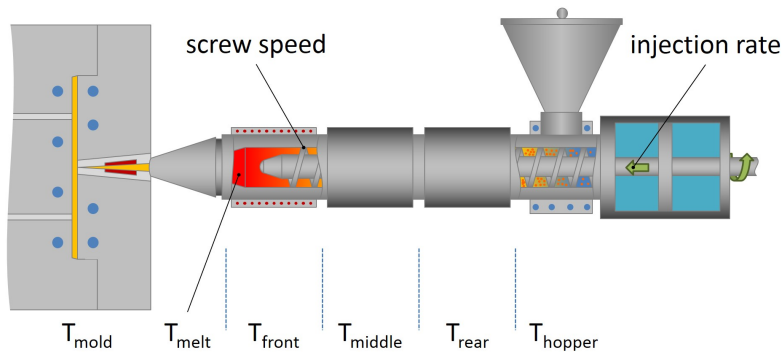
**Additional Information**

Tensile/Izod Change, ISO 188, 1000 hours, 140°C: +6%/+5%

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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.