

Technical Data Sheet

Ferro Pp TPP40AE62BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description

25% minimum post consumer recycle (P.C.R.)
Meets/Exceeds Ford Engineering Specification WSL-M4D910-A.
Primary end use is for fan shrouds.

General

Filler / Reinforcement	• Talc, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer
Automotive Specifications	• CHRYSLER MS-DB-500 CPN3549 Color: Black • GM GMW16528P-PP-TD40
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.28 g/cm ³	1.28 g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	7.5 g/10 min	7.5 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	4420 psi	30.5 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)	0.76 ft·lb/in ²	1.6 kJ/m ²	
73°F (23°C)	1.1 ft·lb/in ²	2.3 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	275 °F	135 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	192 °F	89.0 °C	ISO 75-2/A

Additional Information

Tensile/Izod Change, ISO 188, 1000 hours, 140°C: +3%/+8%

Technical Data Sheet

Ferro Pp TPP40AE62BK

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.