Technical Data Sheet

Ferro PP TPP40AJ35BK

Polypropylene Homopolymer
Engineering Plastics

Product Description
25% minimum post consumer recycle (P.C.R.) Meets/Exceeds Ford Engineering Specification WSK-M4D644-A3. Primary end use is for AC housings.

General		
Filler / Reinforcement	• Talc, 38% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	• Homopolymer
Automotive Specifications	• FORD WSS-M4D644-A3	• VISTEON VAM-PP01TF40-PCR001 Application 001
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.23 g/cm³	1.23 g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15 g/10 min	15 g/10 min	ISO 1133
Molding Shrinkage	1.2 %	1.2 %	ISO 294-4
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield, 73°F (23°C))	4060 psi	28.0 MPa	ISO 527-2
Flexural Modulus	551000 psi	3800 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	0.81 ft·lb/in²	1.7 kJ/m²	
73°F (23°C)	1.1 ft·lb/in²	2.4 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	270 °F	132 °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%

Notes

These are typical property values not to be construed as specification limits.