

Ferro PP TPP40AJ38BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Meets/Exceeds Ford Engineering Specification WSK-M4D644-A3.

Primary end use is for instrument cluster masks.

General Information			
Filler / Reinforcement	Talc filler, 38% filler by weight		
Additive	heat stabilizer		
Features	Homopolymer		
	Thermal Stability		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	1.2	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	27.4	MPa	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	1.7	kJ/m ²	ISO 180
23°C	2.3	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	130	°C	ISO 75-2/B
1.8 MPa, not annealed	83.0	°C	ISO 75-2/A
Additional Information			
Tensile/Izod Change, ISO 188, 1000 hours, 140°C: +5%/+10%			

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