

Ferro PP TPP20AF39BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Meets/Exceeds Ford Engineering Specification WSS-M4D729-A4.
Primary end use is for head lamp housings.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	heat stabilizer UV stabilizer		
Features	Homopolymer Good UV resistance Thermal Stability		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ISO 1133
Molding Shrinkage	1.5	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	30.8	MPa	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	2.4	kJ/m ²	ISO 180
23°C	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	122	°C	ISO 75-2/B
1.8 MPa, not annealed	72.0	°C	ISO 75-2/A
Additional Information			

Tensile/Izod Change, ISO 188, 1000 hours, 140°C: +15%/+5%

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