

Ferro PP TPP20AE63BK

Polypropylene Homopolymer

Ferro Corporation

Message:

20% Talc filled, heat-stabilized, homopolymer polypropylene containing 25% P.C.R., precolored black.
Meets/Exceeds Ford Engineering Specification WSH-M4D293-B2.
Primary end use is for AC/heater housings.

General Information			
Filler / Reinforcement	Talc filler, 21% filler by weight		
Additive	heat stabilizer		
Features	Homopolymer		
	Thermal Stability		
Uses	Shell		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	30.3	MPa	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	2.3	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	120	°C	ISO 75-2/B
1.8 MPa, not annealed	71.0	°C	ISO 75-2/A

Additional Information			
Mineral Content, ISO 3451/1: 21%Tensile/Izod Change, ISO 188, 1000 hours, 140°C: +7%/+3%Linear/Transverse Mold Shrinkage, ISO 2577: 1.5%			

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