

Technical Data Sheet

Polyfort TPP20AE63BK-BKBLK



Polypropylene, Homopolymer

Product Description

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.

Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Appearance	Black
Additive	Heat Stabilizer
Application	Housings
Filler/Reinforcement	Talc, 21%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6.3	g/10 min	ISO 1133
Density	1.06	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (23 °C)	30.3	MPa	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Impact			
Notched Izod Impact Strength			
(23 °C)	3.5	kJ/m ²	ISO 180
(-40 °C)	2.3	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	120	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	71	°C	ISO 75-2/A

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C