Technical Data Sheet

Polyfort TPP20AF20BK-BKBLK

Polypropylene, Homopolymer

Product Description

25% minimum post consumer recycle (P.C.R.)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
Filler/Reinforcement	Talc, 21%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ISO 1133
Density, (Method A)	1.06	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (23 °C)	30.1	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact			
Notched Izod Impact Strength			
(23 °C)	3.6	kJ/m²	ISO 180
(-40 °C)	2.4	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	118	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	69	°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