Technical Data Sheet

Polyfort TPP20AC16BK-BKBLK

Polypropylene, Homopolymer

Product Description

Meets/Exceeds Ford Engineering Specification ESH-M4D293-A.Primary end use is for blower wheels and similar components.

Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Appearance	Black
Additive	Heat Stabilizer
Filler/Reinforcement	Talc, 22%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.6	g/10 min	ASTM D1238
Density - Specific Gravity	1.08	g/cm³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	30.4	MPa	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Tensile Elongation at Break	12	%	ASTM D638
Impact			
Unnotched Izod Impact, (23 °C)	470	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	30	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	68	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	119	°C	ASTM D648

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