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Technical Data Sheet

Polyfort FERRO PPH TPP40AC27 NAT

Polypropylene, Homopolymer

Product Description

Meets/exceeds DaimlerChrysler Engineering Standard MS-DB532 Type C. Primary end use is for parts requiring stiffness and dimensional stability.

Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Stiffness; Heat Stabilized; Homopolymer
Forms	Pellets
Appearance	Natural Color
Additive	Heat Stabilizer
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6.1	g/10 min	ASTM D1238
Density - Specific Gravity	1.26	g/cm³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	33.0	MPa	ASTM D638
Flexural Modulus, (5.3 mm/min, Secant)	3140	MPa	ASTM D790
Impact			
Unnotched Izod Impact, (23 °C)	220	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	27	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	89	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	135	°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