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Technical Data Sheet

Polyfort J-60/40/E/NS BK223



Polypropylene, Homopolymer

Product Description

40% Glass-Reinforced Polypropylene

Processing Method	Injection Molding
Attribute	Chemically Coupled
Forms	Pellets
Filler/Reinforcement	Glass Fiber, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.23	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Break, (23 °C)	96.5	MPa	ASTM D638
Flexural Modulus, (23 °C)	6480	MPa	ASTM D790
Flexural Strength at Break, (23 °C)	133	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	80	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	159	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Nozzle Temperature	182 to 193	°C
Processing (Melt) Temp	199 to 232	°C
Front Temperature	193 to 216	°C
Middle Temperature	204 to 227	°C
Rear Temperature	199 to 210	°C
Mold Temperature	38 to 71	°C