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Technical Data Sheet

Polyfort TPP40AC28HB-NANAT

Polypropylene, Homopolymer

Product Description
TPP40AC28HB-NA is a 40% Talc-Filled Polypropylene Homopolymer

Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Appearance	Natural Color
Application	General Purpose
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6.3	g/10 min	ASTM D1238
Mechanical			
Tensile Strength, (23 °C)	31.0	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	3650	MPa	ASTM D790
Impact			
Unnotched Izod Impact, (23 °C)	300	J/m	ASTM D4812

Injection Parameters	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Clamp Tonnage	2.8 to 4.1	kN/cm²
Nozzle Temperature	216 to 218	°C
Screw Speed	100 to 150	rpm
Processing (Melt) Temp	220 to 260	°C
Front Temperature	213 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	210 to 213	°C
Rear Temperature	204 to 210	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	30 to 60	°C