

Technical Data Sheet

Polyfort LPP20BN57HB-NANAT



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort LPP20BN57HB-NANAT is a Polypropylene, Unspecified Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

Processing Method	Injection Molding
Attribute	Impact Modified
Forms	Pellets
Additive	Impact Modifier
Filler/Reinforcement	Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	17	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	24.1	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	1590	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	104	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Nozzle Temperature	171 to 216	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	171 to 216	°C
Middle Temperature	171 to 210	°C
Rear Temperature	171 to 210	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C