

## 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.

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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	17	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield, (23 °C)	24.1	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	1590	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (66 psi)	104	°C	ASTM D648

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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