

Technical Data Sheet

Polyfort LPP20BN46HB-ALBEI



Polypropylene Copolymer

Product Description

Polyfort LPP20BN46HB-ALBEI is a Polypropylene Copolymer Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Filler/Reinforcement	Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ASTM D1238
Density - Specific Gravity	1.06	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	23.4	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	1340	MPa	ASTM D790
(23 °C, Tangent)	1580	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	80	%	ASTM D638
Flexural Strength, (23 °C)	35.9	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	25.4	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	1300	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	64	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	57.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	97.8	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Nozzle Temperature	182 to 218	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	182 to 218	°C
Middle Temperature	182 to 210	°C
Rear Temperature	182 to 204	°C
Mold Temperature	30 to 60	°C