

Technical Data Sheet

Polyfort LPP20BN45HB-BKBLK

Polypropylene Copolymer

Product Description

Polyfort LPP20BN45HB-BKBLK is a Polypropylene Copolymer Calcium Carbonate, 22% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Calcium Carbonate, 22%

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	1.07	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	22.8	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	1470	MPa	ASTM D790
(23 °C, Tangent)	1740	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	55	%	ASTM D638
Flexural Strength, (23 °C)	36.5	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	22.6	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	1200	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	69	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	60	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	100	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C