

Technical Data Sheet

Polyfort LPP35BC69HB-GYGRY



Polypropylene, Homopolymer

Product Description

Polyfort LPP35BC69HB-GYGRY is a Polypropylene Homopolymer Calcium Carbonate, 35% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Filler/Reinforcement	Calcium Carbonate, 35%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.2	g/10 min	ASTM D1238
Density - Specific Gravity	1.2	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	26.5	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	2140	MPa	ASTM D790
(23 °C, Tangent)	2520	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	40	%	ASTM D638
Flexural Strength, (23 °C)	44.1	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	24.9	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	960	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	53	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	65.6	°C	ASTM D648
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
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C