

Technical Data Sheet

Polytrope GPP20CD11HB-WH FERREXWHI



Polypropylene, Homopolymer

Product Description

GPP20CD11HB-WH FERREX is a 20% Calcium Carbonate-Filled Polypropylene Homopolymer

Attribute	Homopolymer
Forms	Pellets
Appearance	White
Filler/Reinforcement	Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ASTM D1238
Mechanical			
Tensile Strength at Yield	29.7	MPa	ASTM D638
Flexural Modulus, (Tangent)	223	MPa	ASTM D790
Impact			
Unnotched Izod Impact, (23 °C)	880	J/m	ASTM D4812

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	93	°C
Clamp Tonnage	2.8 to 4.1	kN/cm ²
Nozzle Temperature	216 to 221	°C
Screw Speed	100 to 150	rpm
Front Temperature	210 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	204 to 210	°C
Rear Temperature	199 to 204	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	46 to 60	°C