

Technical Data Sheet

**Polytrope GPP20CD11HB-WH FERREXWHI**



Polypropylene, Homopolymer

**Product Description**

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

<b>Attribute</b>	Homopolymer
<b>Forms</b>	Pellets
<b>Appearance</b>	White
<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)	14	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Strength at Yield	29.7	MPa	ASTM D638
Flexural Modulus, (Tangent)	223	MPa	ASTM D790
<b>Impact</b>			
Unnotched Izod Impact, (23 °C)	880	J/m	ASTM D4812

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
Drying Time	2.0 to 3.0	hr
Drying Temperature	93	°C
Clamp Tonnage	2.8 to 4.1	kN/cm <sup>2</sup>
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