



Technical Data Sheet

Ferrex GPP20CD11HB-WH

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

Product Description

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

General

Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• Homopolymer
Appearance	• White
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	14 g/10 min	14 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4310 psi	29.7 MPa	ASTM D638
Flexural Modulus - Tangent	32400 psi	223 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact (73°f (23°c))	16 ft·lb/in	880 J/m	ASTM D4812

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	200 °F	93 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	390 to 400 °F	199 to 204 °C
Middle Temperature	400 to 410 °F	204 to 210 °C
Front Temperature	410 to 420 °F	210 to 216 °C
Nozzle Temperature	420 to 430 °F	216 to 221 °C
Mold Temperature	115 to 140 °F	46 to 60 °C
Back Pressure	20.0 to 50.0 psi	0.138 to 0.345 MPa
Screw Speed	100 to 150 rpm	100 to 150 rpm
Clamp Tonnage	2.0 to 3.0 tons/in ²	2.8 to 4.1 kN/cm ²
Screw L/D Ratio	20.0:1.0	20.0:1.0
Screw Compression Ratio	2.0:1.0	2.0:1.0

Notes

These are typical property values not to be construed as specification limits.