Technical Data Sheet

Ferrex GPP20CF69UL-WH

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight		
Features	• Good Processability	• High Gloss	• Homopolymer
Uses	• Appliances	• Handles	• Housings
Appearance	• White		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	4400 psi	30.3 MPa	ASTM D638
Tensile Elongation (Break)	55 %	55 %	ASTM D638
Flexural Modulus	245000 psi	1690 MPa	ASTM D790
Flexural Strength (Yield)	6300 psi	43.4 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	0.68 ft·lb/in	36 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	22 ft·lb/in	1200 J/m	ASTM D4812
Gardner Impact	130 in·lb	14.7 J	ASTM D3029
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Durometer Hardness (Shore D)	73	73	ASTM D2240
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	221 °F	105 °C	
264 Psi (1.8 Mpa), Unannealed	136 °F	57.8 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating	HB	HB	UL 94

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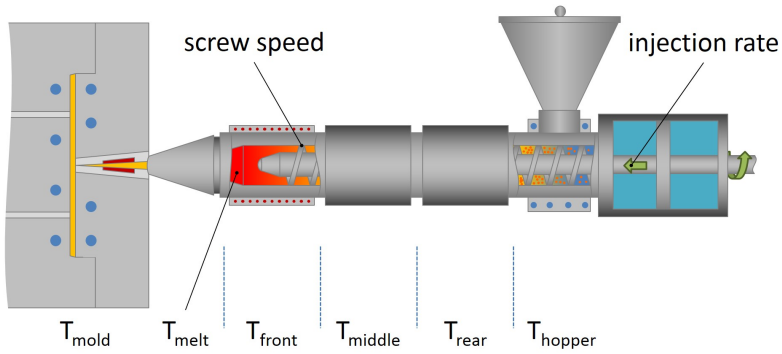

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	200 °F	93 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	390 to 400 °F	199 to 204 °C
Middle Temperature	400 to 410 °F	204 to 210 °C
Front Temperature	410 to 420 °F	210 to 216 °C
Nozzle Temperature	420 to 430 °F	216 to 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/in²	2.8 to 4.1 kN/cm²
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.