Technical Data Sheet

Schuladur HT GF 30

Polycyclohexylenedimethylene Terephthalate
LyondellBasell Industries
Engineering Plastics

Product Description	
30% glass fibre reinforced PCT compound for high temperature applications	

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PCT GF 30

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.44 g/cm³	1.44 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (300°c/2.16 Kg)	20 cm³/10min	20 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.23E+6 psi	8500 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	16700 psi	115 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2/1A/5
Flexural Modulus [1]	1.16E+6 psi	8000 MPa	ISO 178
Flexural Stress [1] (2.5% Strain)	26100 psi	180 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	3.8 ft·lb/in²	8.0 kJ/m²	
73°f (23°c)	3.8 ft·lb/in²	8.0 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	23 ft·lb/in²	48 kJ/m²	
73°f (23°c)	28 ft·lb/in²	58 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	482 °F	250 °C	
Vicat Softening Temperature	482 °F	250 °C	ISO 306/B50
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Comparative Tracking Index	550 V	550 V	IEC 60112
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302

Additional Information

1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

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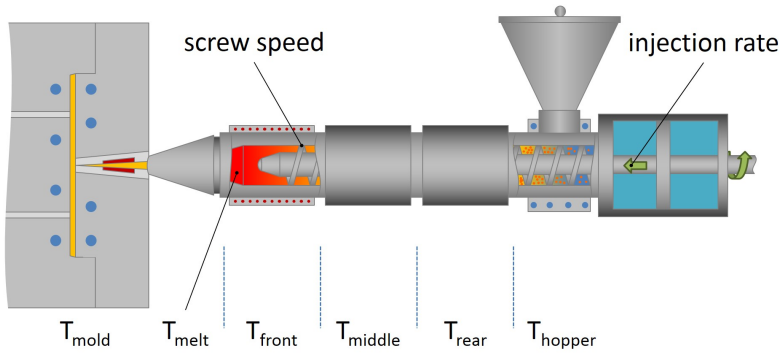

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	248 °F	120 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Suggested Max Moisture	0.03 %	0.03 %
Processing (Melt) Temp	563 to 590 °F	295 to 310 °C
Mold Temperature	194 to 248 °F	90 to 120 °C

Notes

[1] 0.079 in/min (2.0 mm/min)

Notes

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