Technical Data Sheet

Schulamid XT 200 GF 30

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description
30% glass fiber reinforced Polyamide 66 for high temperature applications, electrically neutral

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.38 g/cm³	1.38 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (275°c/5.0 Kg)	10 cm³/10min	10 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.45E+6 psi	10000 MPa	ISO 527-1/1
Tensile Stress (Break)	27600 psi	190 MPa	ISO 527-2/5
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2/5
Flexural Modulus	1.51E+6 psi	10400 MPa	ISO 178
Flexural Stress [1] (3.5% Strain)	41300 psi	285 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			
-22°f (-30°c)	3.8 ft·lb/in²	8.0 kJ/m²	ISO 179/1eC
73°f (23°c)	4.8 ft·lb/in²	10 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	26 ft·lb/in²	55 kJ/m²	
73°f (23°c)	36 ft·lb/in²	75 kJ/m²	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Ball Indentation Hardness (H 961/30)	38400 psi	265 MPa	ISO 2039-1
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	430 °F	221 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	396 °F	202 °C	ISO 75-2/A
Vicat Softening Temperature			
--	405 °F	207 °C	ISO 306/B50
--	455 °F	235 °C	ISO 306/A50
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
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
Flammability Classification			IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	HB	
0.12 In (3.0 Mm)	HB	HB	

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

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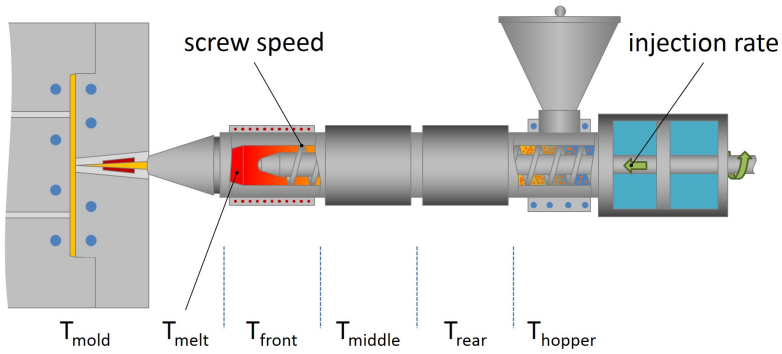

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	176 to 248 °F	80 to 120 °C

Notes

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

Notes

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