HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Schulamid 6 GF 35 HE

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description	
35% glass fiber reinforced PA 6, electrically neutral heat stabilized	

General	
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PA6-GF35<

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.41 g/cm³	1.41 g/cm³	ISO 1183/A
Viscosity Number	145 cm³/g	145 cm³/g	ISO 307
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.60E+6 psi	11000 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	26100 psi	180 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.4 %	3.4 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	4.8 ft·lb/in²	10 kJ/m²	
73°f (23°c)	7.1 ft·lb/in²	15 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	33 ft·lb/in²	70 kJ/m²	
73°f (23°c)	43 ft·lb/in²	90 kJ/m²	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Ball Indentation Hardness (H 358/30)	33400 psi	230 MPa	ISO 2039-1
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	419 °F	215 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	410 °F	210 °C	ISO 75-2/Af
Vicat Softening Temperature	410 °F	210 °C	ISO 306/B50
Ball Pressure Test (302°f (150°c))	Pass	Pass	IEC 60695-10-2
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	450 V	450 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
Flammability Classification			IEC 60695-11-10, -20
0.030 In (0.75 Mm)	HB	HB	
Glow Wire Flammability Index	1200 °F	650 °C	IEC 60695-2-12

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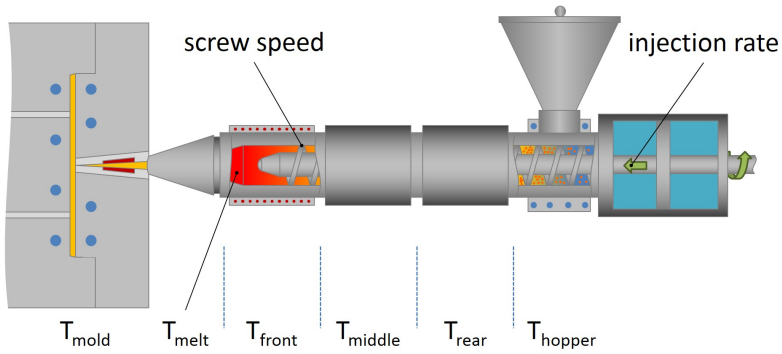

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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