Technical Data Sheet

SCHULAMID® 66 GF 35 HE GREY 967826

Polyamide 66
Engineering Plastics

Product Description
35% glass fiber reinforced, high heat stabilized, electrical neutral Polyamide 66

General	
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Processing Method	• Extrusion
Resin ID (ISO 1043)	• PA 66 GF 35 H

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.45 g/cm³	1.45 g/cm³	ISO 1183/A
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.64E+6 psi	11300 MPa	ISO 527-2/1A/1
Tensile Stress (Break)	23500 psi	162 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	3.3 ft·lb/in²	7.0 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	22 ft·lb/in²	46 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/Af
264 psi (1.8 MPa), Unannealed	457 °F	236 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 in (2.00 mm)	1.2 in/min	30 mm/min	ISO 3795
0.0787 in (2.00 mm)	1.2 in/min	30 mm/min	FMVSS 302

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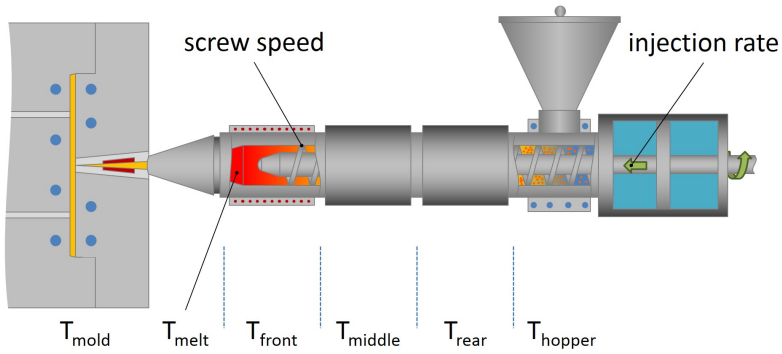

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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