Technical Data Sheet

Schulamid 66 GF 30 HE

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description
30% glass fiber reinforced and heat stabilized polyamide 66-compound, electrical neutral

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

Physical	Dry	Conditioned	Unit	Test Method
Density	1.38	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	1.38E+6 (9500)	754000 (5200)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	18900 (130)	10200 (70.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.6	10	%	ISO 527-2/1A/5
Flexural Modulus [1]	1.26E+6 (8700)	--	psi (MPa)	ISO 178
Flexural Stress [1] (3.0% Strain)	30500 (210)	--	psi (MPa)	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	1.4 (3.0)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	1.9 (4.0)	2.9 (6.0)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	14 (30)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	17 (35)	31 (65)	ft·lb/in² (kJ/m²)	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	> 482 (> 250)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	444 (229)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	> 475 (> 246)	--	°F (°C)	ISO 306/B50
--	> 482 (> 250)	--	°F (°C)	ISO 306/A50
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate				
0.0787 In (2.00 Mm)	1.2 (30)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	1.2 (30)	--	in/min (mm/min)	FMVSS 302

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Additional Information

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

Characteristic properties
As a semi-crystalline thermoplastic SCHULAMID® 66 possesses high rigidity, hardness and good cold impact resistance.

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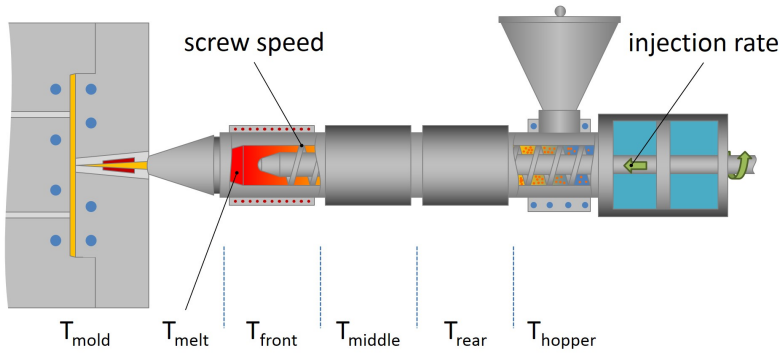

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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

Notes

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