

Technical Data Sheet

Schulamid 66 GF 30 HI H

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

30% glass fiber reinforced PA 66, impact modified, heat stabilized

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Heat Stabilizer • Impact Modifier
Features	• Heat Stabilized • Impact Modified
Processing Method	• Injection Molding

Physical

	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183/A

Mechanical

	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.19E+6 (8200)	--	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	22500 (155)	--	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	--	%	ISO 527-2/1A/5

Impact

	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F (23°C))	9.0 (19)	--	ft·lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	45 (94)	--	ft·lb/in ² (kJ/m ²)	ISO 179/1eU

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	475 (246)	--	°F (°C)	ISO 75-2/ Af

Electrical

	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	1.0E+10	ohms·m	IEC 62631-3-1

Flammability

	Dry	Conditioned	Unit	Test Method
Burning Rate 0.0787 In (2.00 Mm)	1.4 (35)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	1.4 (35)	--	in/min (mm/min)	FMVSS 302

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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

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