

Schulamid 66 GF 35 HH

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

35% glass fiber reinforced PA 66, heat stabilized, electrically neutral and hot oil resistant

General

Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Features	• Heat Stabilized
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183/A
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.60E+6 (11000)	1.16E+6 (8000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	27600 (190)	20300 (140)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	5.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	5.7 (12)	5.7 (12)	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	6.2 (13)	9.5 (20)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	36 (75)	40 (85)	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	43 (90)	45 (95)	ft·lb/in ² (kJ/m ²)	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	36300 (250)	--	psi (MPa)	ISO 2039-1
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	482 (250)	--	°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
Comparative Tracking Index	450	--	V	IEC 60112





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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
Glow Wire Flammability Index	1110 (600)	--	°F (°C)	IEC 60695-2-12

Additional Information

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



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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.

