Technical Data Sheet

Schulamid 66 GF 15 HI H

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description
15% glass fibre reinforced and impact modified polyamid 66-compound, heat stabilized.

General		
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight	
Features	• Heat Stabilized	• Impact Modified
Processing Method	• Injection Molding	
Resin ID (ISO 1043)	• PA66I-GF15-T	

Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm³	ISO 1183/A
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	783000 (5400)	464000 (3200)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	13800 (95.0)	9430 (65.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	3.8	15	%	ISO 527-2/1A/5
Flexural Modulus [1]	653000 (4500)	--	psi (MPa)	ISO 178
Flexural Stress [1] (5.0% Strain)	21800 (150)	--	psi (MPa)	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	1.9 (4.0)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	4.8 (10)	7.1 (15)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	17 (35)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	26 (55)	38 (80)	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	460 (238)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	450 (232)	--	°F (°C)	ISO 306/B50
--	> 482 (> 250)	--	°F (°C)	ISO 306/A50
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Comparative Tracking Index	350	--	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
Flammability Classification				IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	--		
0.12 In (3.0 Mm)	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.06 In (1.5 Mm)	1290 (700)	--	°F (°C)	
0.12 In (3.0 Mm)	1290 (700)	--	°F (°C)	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.06 In (1.5 Mm)	1340 (725)	--	°F (°C)	
0.12 In (3.0 Mm)	1340 (725)	--	°F (°C)	

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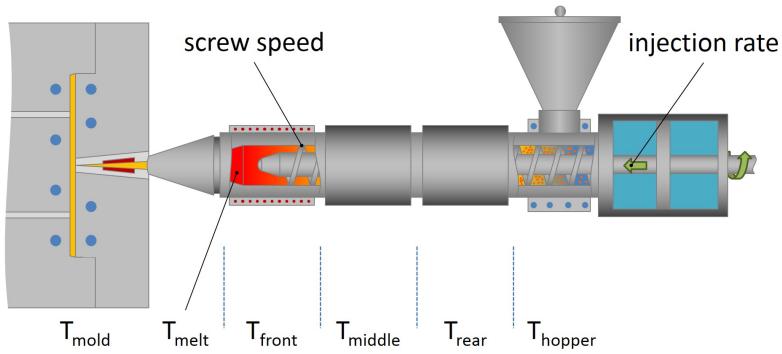

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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

Notes

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