

Technical Data Sheet

Schulamid 66 GF 15 HI K2034

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

15% glass fiber reinforced, impact modified polyamide 66 compound

General

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

Physical	Dry	Conditioned	Unit	Test Method
Density	1.21	--	g/cm ³	ISO 1183/A

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	783000 (5400)	435000 (3000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	14500 (100)	8700 (60.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	18	%	ISO 527-2/1A/5

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				
-22°F (-30°C)	1.7 (3.5)	--	ft·lb/in ² (kJ/m ²)	ISO 179
73°F (23°C)	5.7 (12)	11 (24)	ft·lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Unnotched Impact Strength				
-22°F (-30°C)	19 (40)	--	ft·lb/in ² (kJ/m ²)	ISO 179
73°F (23°C)	29 ft·lb/in ² (60 kJ/m ²)	No Break	(kJ/m ²)	ISO 179/1eU

Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	464 (240)	--	°F (°C)	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	419 (215)	--	°F (°C)	ISO 75-2/A
Vicat Softening Temperature				
--	437 (225)	--	°F (°C)	ISO 306/B50
--	> 482 (> 250)	--	°F (°C)	ISO 306/A50

Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	> 1.0E+10	ohms·m	IEC 62631-3-1

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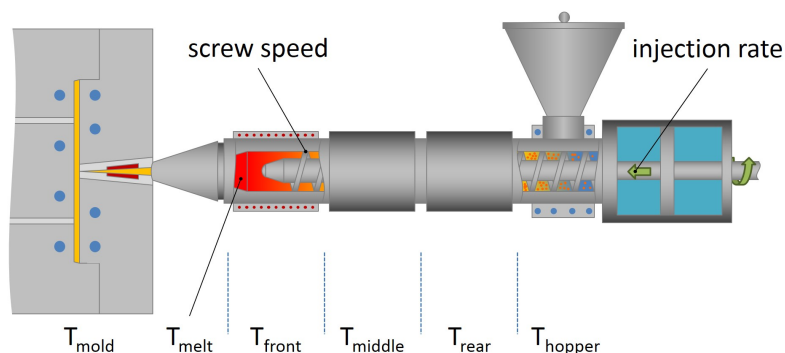
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Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate				
0.0787 In (2.00 Mm)	1.2 (30)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	1.2 (30)	--	in/min (mm/min)	FMVSS 302
Flammability Classification				IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	--		
0.12 In (3.0 Mm)	HB	--		

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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.