Technical Data Sheet

Schulamid 66 GF 30 H K2019

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description	
30% glass fiber reinforced PA 66, heat stabilized	

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

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Shrinkage				Internal Method
cross flow	1.0 to 1.2	--	%	
in flow	0.20 to 0.40	--	%	

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.45E+6 (10000)	1.02E+6 (7000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	25400 (175)	17100 (118)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2/1A/5

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°f (23°c))	4.3 (9.0)	7.1 (15)	ft·lb/in² (kJ/m²)	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	14 (29)	18 (38)	ft·lb/in² (kJ/m²)	
73°f (23°c)	36 (75)	40 (85)	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	482 (250)	--	°F (°C)	ISO 75-2/Af

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
Comparative Tracking Index	550	550	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
Flame Rating (0.030 In (0.75 Mm))	HB	--		UL 94 IEC 60695-11-10, -20
Glow Wire Flammability Index	1110 (600)	--	°F (°C)	IEC 60695-2-12

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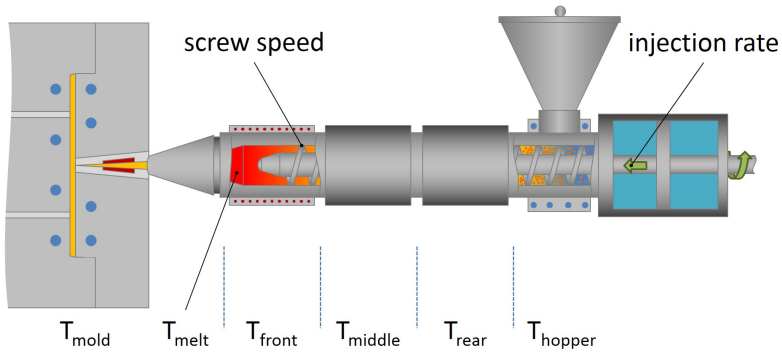

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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