Technical Data Sheet

Schulamid 66 BNT 4000 SCHWARZ

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description
40% glass fiber and mineral reinforced polyamide 66 compound

General	
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-GF-M

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.31E+6 (9000)	--	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	17400 (120)	--	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	--	%	ISO 527-2/1A/5
Flexural Modulus [1]	1.12E+6 (7700)	--	psi (MPa)	ISO 178
Flexural Stress [1]	25400 (175)	--	psi (MPa)	ISO 178
Flexural Strain at Flexural Strength	2.8	--	%	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°f (23°c))	2.4 (5.0)	--	ft·lb/in² (kJ/m²)	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
73°f (23°c)	19 (40)	--	ft·lb/in² (kJ/m²)	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	428 (220)	--	°F (°C)	
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate				
0.0787 In (2.00 Mm)	< 3.9 (< 100)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 (< 100)	--	in/min (mm/min)	FMVSS 302

Additional Information
Commercial Grade

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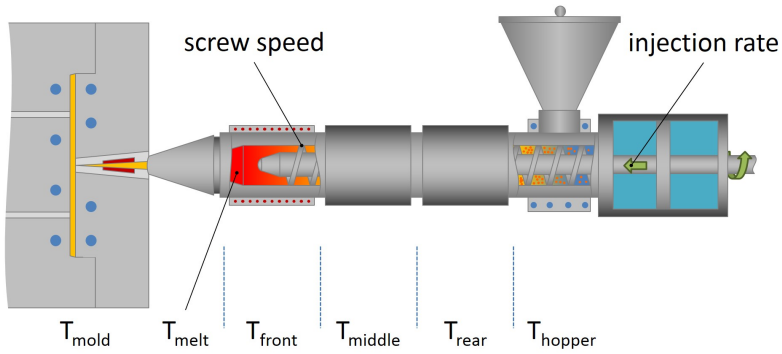

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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

Notes

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