Technical Data Sheet

LyondellBasell

Schulamid 66 BNT 4000 SCHWARZ

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description	
40% glass fiber and mineral reinforced polyamide 66 compound	
General	
Material Status	• Commercial: Active
Availability	• Europe
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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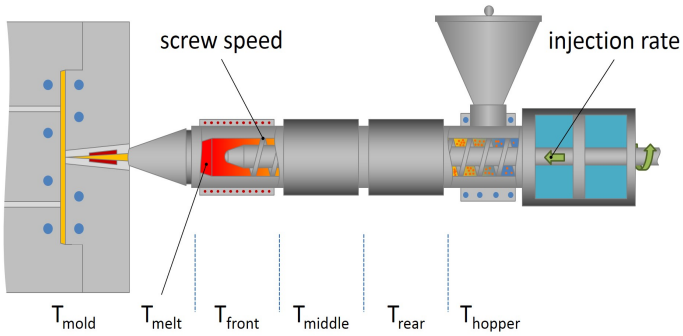

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

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Notes

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

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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