

Technical Data Sheet

Schulablend (ABS/PA) M/MK 6101 GF15

Acrylonitrile Butadiene Styrene + PA

LyondellBasell Industries

Engineering Plastics

Product Description

15% glass fiber reinforced ABS/PA6 blend standard injection molding grade. (Former name: RONFALIN® N25 GF15)

General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.19 g/cm³	1.19 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (240°C/10.0 Kg)	20 cm³/10min	20 cm³/10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	725000 psi	5000 MPa	ISO 527-1/1A/1
Tensile Stress (Break, 73°F (23°C))	10900 psi	75.0 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	4.0 %	4.0 %	ISO 527-2
Flexural Modulus (73°F (23°C))	566000 psi	3900 MPa	ISO 178
Flexural Stress (73°F (23°C))	15200 psi	105 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in²	10 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	17 ft·lb/in²	35 kJ/m²	ISO 179/1eU
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	302 °F	150 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	203 °F	95.0 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	284 °F	140 °C	ISO 306/B50
--	401 °F	205 °C	ISO 306/A50
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Electric Strength	1000 V/mil	40 kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600 V	600 V	IEC 60112
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	1.6 in/min	40 mm/min	ISO 3795
0.0787 In (2.00 Mm)	1.6 in/min	40 mm/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	HB	
0.12 In (3.0 Mm)	HB	HB	

Additional Information

The tradename "Schulablend" may be abbreviated "SBL" in documents or on labels.

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications

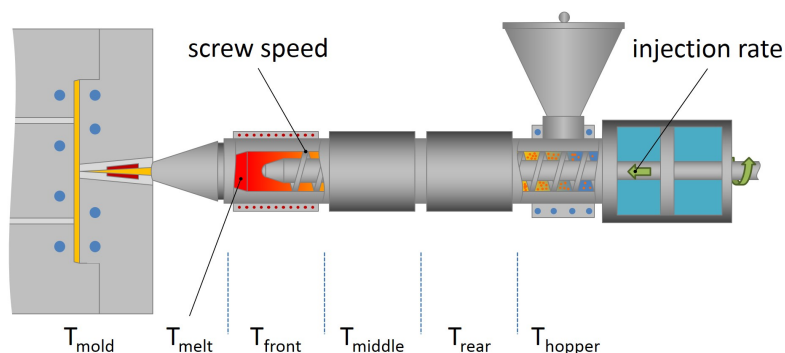
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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

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