

Technical Data Sheet



Schulablend (ABS/PA) M/MK 6401U

Acrylonitrile Butadiene Styrene + PA
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >ABS+PA<		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.07 g/cm ³	1.07 g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	33 g/10 min	33 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (0.157 in (4.00 mm))	282000 psi	1950 MPa	ISO 527-1/1A/1
Tensile Stress (Yield, 0.157 in (4.00 mm))	5820 psi	40.1 MPa	ISO 527-2/1A/50
Tensile Elongation ¹ Break, 0.157 in (4.00 mm)	88 %	88 %	ISO 527-2
Flexural Modulus - Chord ² 72°F (22°C), 0.157 in (4.00 mm), 2.52 in (64.0 mm) Span	294000 psi	2030 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength -22°F (-30°C) 72°F (22°C)	9.4 ft·lb/in ² 38 ft·lb/in ²	20 kJ/m ² 79 kJ/m ²	ISO 179/1eA
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, 0.157 in (4.00 mm)	208 °F	97.9 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed, 0.157 in (4.00 mm)	151 °F	66.2 °C	ISO 75-2/ Af
Vicat Softening Temperature	241 °F	116 °C	ISO 306/B50
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

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)
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

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Notes

¹ 2.0 in/min (50 mm/min)

² 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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