

Technical Data Sheet

**Schulablend (PA/PP) M/MO 2502 E BLK**

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

Product Description

PA/PP Blend with high viscosity for extrusion applications

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant		
Processing Method	• Extrusion		
Resin ID (ISO 1043)	• PA6-PP		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.960 g/cm ³	0.960 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	0.70 cm ³ /10min	0.70 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	131000 psi	900 MPa	ISO 527-1/1A/1
Tensile Stress			
Yield	3190 psi	22.0 MPa	ISO 527-2/1A/50
Break	3630 psi	25.0 MPa	ISO 527-2
Tensile Strain			
Yield	30 %	30 %	ISO 527-2/1A/50
Break	300 %	300 %	ISO 527-2
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	9.5 ft·lb/in ²	20 kJ/m ²	
73°F (23°C)	43 ft·lb/in ²	90 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	48 ft·lb/in ²	100 kJ/m ²	
73°F (23°C)	No Break	No Break	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ISO 75-2/Af
264 psi (1.8 MPa), Unannealed	113 °F	45.0 °C	
Vicat Softening Temperature	158 °F	70.0 °C	ISO 306/B50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 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

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.

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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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