

Technical Data Sheet



Schulablend (ABS/PA) M/MK SF UV

Acrylonitrile Butadiene Styrene + PA
LyondellBasell Industries
Engineering Plastics

Product Description

ABS/PA injection molding grade with high flowing properties, high impact strength and chemical resistance, UV-stabilized

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Automotive Specifications	• GM QK 002451 U Color: 14735 Cocoa	• GM QK 002451 U Color: 72765 Jet Black	
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA+ABS		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.08 g/cm ³	1.08 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	10 cm ³ /10min	10 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	247000 psi	1700 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	5800 psi	40.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0 %	4.0 %	ISO 527-2/1A/50
Flexural Modulus ¹	189000 psi	1300 MPa	ISO 178
Flexural Stress ¹			ISO 178
7.0% Strain	6670 psi	46.0 MPa	
3.5% Strain	5370 psi	37.0 MPa	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	8.6 ft·lb/in ²	18 kJ/m ²	
73°F (23°C)	38 ft·lb/in ²	80 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	No Break	No Break	
73°F (23°C)	No Break	No Break	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	13200 psi	91.0 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	203 °F	95.0 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	154 °F	68.0 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	266 °F	130 °C	ISO 306/B50
--	392 °F	200 °C	ISO 306/A50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
--	< 2.4 in/min	< 60 mm/min	ISO 3795
--	< 2.4 in/min	< 60 mm/min	FMVSS 302

Additional Information

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

- Not for use in food contact applications
- Not for use in medical or pharmaceutical applications

Notes

¹ 0.079 in/min (2.0 mm/min)

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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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