

Schulablend (ABS/PA) M/MK UV HI

Acrylonitrile Butadiene Styrene + PA

LyondellBasell Industries

Engineering Plastics

Product Description

ABS/PA6 blend with high impact strength and UV stabilised

General

Additive	• UV Stabilizer
Features	• High Impact Resistance
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >ABS+PA<

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.10 g/cm ³	1.10 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)	7.5 cm ³ /10min	7.5 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	261000 psi	1800 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	5950 psi	41.0 MPa	
Break	5660 psi	39.0 MPa	
Tensile Strain (Yield)	4.0 %	4.0 %	ISO 527-2/1A/50
Nominal Tensile Strain at Break	100 %	100 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	7.1 ft·lb/in ²	15 kJ/m ²	
73°F (23°C)	40 ft·lb/in ²	85 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	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature			
--	284 °F	140 °C	ISO 306/B
--	410 °F	210 °C	ISO 306/A

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

Notes

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