

Technical Data Sheet

# Schulablend (ABS/PA) M/MK K2004 SF

Acrylonitrile Butadiene Styrene + PA  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

High flow ABS/PA Blend, high impact strength, UV stabilised, low emission

**General**

Processing Method • Injection Molding  
 Resin ID (ISO 1043) • PA+ABS

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.08 g/cm <sup>3</sup>	1.08 g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 Kg)	10 cm <sup>3</sup> /10min	10 cm <sup>3</sup> /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	5800 psi	40.0 MPa	
Break	5800 psi	40.0 MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	3.4 %	3.4 %	
Break	120 %	120 %	
Flexural Modulus <sup>1</sup>	247000 psi	1700 MPa	ISO 178
Flexural Stress <sup>1</sup>			ISO 178
6.0% Strain	7250 psi	50.0 MPa	
3.5% Strain	7250 psi	50.0 MPa	

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	14 ft·lb/in <sup>2</sup>	30 kJ/m <sup>2</sup>	
73°F (23°C)	38 ft·lb/in <sup>2</sup>	80 kJ/m <sup>2</sup>	
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
Deflection Temperature Under Load			ISO 75-2/af
264 Psi (1.8 Mpa), Unannealed	140 °F	60.0 °C	
Vicat Softening Temperature	264 °F	129 °C	ISO 306/B50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	< 2.4 in/min	< 60 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 2.4 in/min	< 60 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

**Notes**

<sup>1</sup> 0.079 in/min (2.0 mm/min)

**Notes**

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