

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 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	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 ¹	247000 psi	1700 MPa	ISO 178
Flexural Stress ¹			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 ²	30 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	
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

¹ 0.079 in/min (2.0 mm/min)

Notes

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