

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

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.

- 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)