

Technical Data Sheet

# Schulablend (PC/ABS) M/MB 5 LE

Polycarbonate + ABS  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

ABS/PC-blend with higher impact and heat resistance

**General**

Features	<ul style="list-style-type: none"> <li>• High Heat Resistance</li> <li>• High Impact Resistance</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>
Resin ID (ISO 1043)	<ul style="list-style-type: none"> <li>• ABS+PC</li> </ul>

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.13 g/cm <sup>3</sup>	1.13 g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 Kg)	14 cm <sup>3</sup> /10min	14 cm <sup>3</sup> /10min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	319000 psi	2200 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	7540 psi	52.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0 %	4.0 %	ISO 527-2/1A/50

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	21 ft·lb/in <sup>2</sup>	45 kJ/m <sup>2</sup>	ISO 179/1eA
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)	13100 psi	90.0 MPa	ISO 2039-1

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	257 °F	125 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	221 °F	105 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	257 °F	125 °C	ISO 306/B50
--	280 °F	138 °C	ISO 306/A50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
--	< 1.6 in/min	< 40 mm/min	ISO 3795
--	< 1.6 in/min	< 40 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**

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