

Technical Data Sheet

Schulablend (PC/ABS) M/MB 6301

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

ABS/PC-blend with higher impact and heat resistance. Also available as UV stabilized version. (Former name: RONFALIN® C130)

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm³	1.15 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 Kg)	16 cm³/10min	16 cm³/10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	328000 psi	2260 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	7980 psi	55.0 MPa	
Break	5800 psi	40.0 MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	5.2 %	5.2 %	
Break	40 %	40 %	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	8.1 ft·lb/in²	17 kJ/m²	
-4°F (-20°C)	8.1 ft·lb/in²	17 kJ/m²	
73°F (23°C)	21 ft·lb/in²	45 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	No Break	No Break	
-4°F (-20°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			
66 Psi (0.45 Mpa), Unannealed	261 °F	127 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	221 °F	105 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	266 °F	130 °C	ISO 306/B50
--	284 °F	140 °C	ISO 306/A50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	1.6 in/min	40 mm/min	ISO 3795
0.0787 In (2.00 Mm)	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

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 to 230 °F	100 to 110 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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