

Schulablend (PC/ASA) WR 5 UV CA

Polycarbonate + ASA
LyondellBasell Industries
Engineering Plastics

Product Description

PC-ASA blend with increased impact strength, heat resistance and weather resistance; permanent antistatic

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Additive	• Antistatic
Features	• Antistatic • Good Impact Resistance • Good Weather Resistance • High Heat Resistance
Automotive Specifications	• GM QK 002421 UZ Color: 71255 Black
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.16 g/cm ³	1.16 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	30 cm ³ /10min	30 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			
Yield	6090 psi	42.0 MPa	ISO 527-2/1A/50
Break	5660 psi	39.0 MPa	ISO 527-2/1A/5
Tensile Strain			
Yield	4.4 %	4.4 %	ISO 527-2/1A/50
Break	78 %	78 %	ISO 527-2/1A/5

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	6.7 ft·lb/in ²	14 kJ/m ²	
73°F (23°C)	33 ft·lb/in ²	70 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			
66 psi (0.45 MPa), Unannealed	234 °F	112 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	190 °F	88.0 °C	ISO 75-2/ Af
Vicat Softening Temperature	232 °F	111 °C	ISO 306/B50

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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

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Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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