

Schulablend (ASA/PA) M/MW UV

Acrylonitrile Styrene Acrylate + PA
 LyondellBasell Industries
 Engineering Plastics

Product Description

ASA/PA blend with excellent light stability, impact properties and with high heat resistance

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Processing Method	• Extrusion	• Injection Molding	

Physical	Dry	Conditioned	Unit	Test Method
Density	1.11	--	g/cm ³	ISO 1183/A

Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	15	--	cm ³ /10min	ISO 1133
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Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	261000 (1800)	116000 (800)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	6380 (44.0)	4930 (34.0)	psi (MPa)	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 100	> 200	%	ISO 527-2/1A/50

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	3.8 (8.0)	--	ft·lb/in ² (kJ/m ²)	
-4°F (-20°C)	4.8 (10)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	10 (21)	19 (40)	ft·lb/in ² (kJ/m ²)	

Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	No Break	--		
-4°F (-20°C)	No Break	--		
73°F (23°C)	No Break	--		

Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	13800 (95.0)	--	psi (MPa)	ISO 2039-1

Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 psi (0.45 MPa), Unannealed	133 (56.0)	--	°F (°C)	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	205 (96.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	275 (135)	--	°F (°C)	ISO 306/B50
--	406 (208)	--	°F (°C)	ISO 306/A50

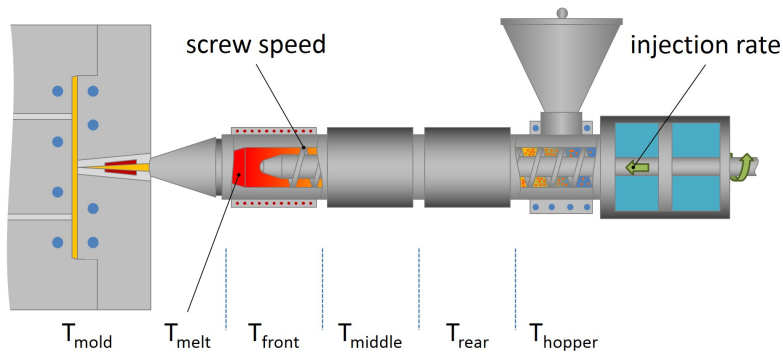
Additional Information

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	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

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

Company Information

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

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