Technical Data Sheet

Schulablend (PC/ASA) M/MA 5301 U

Polycarbonate + ASA
LyondellBasell Industries
Engineering Plastics

Product Description
Schulablend M/MA 5301U is an UV stabilized PC/ASA alloy. (Former name: Ronfalin D120)

General			
Features	• Good Impact Resistance	• Good Weather Resistance	• High Heat Resistance
UL File Number	• E51193-		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.17 g/cm³	1.17 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/5.0 Kg)	29 cm³/10min	29 cm³/10min	ISO 1133
Outdoor Suitability (All Colors)	f1	f1	UL 746C
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	358000 psi	2470 MPa	ISO 527-1/1
Tensile Stress (Yield)	7980 psi	55.0 MPa	ISO 527-2/50
Flexural Modulus	348000 psi	2400 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-40°f (-40°c)	6.7 ft·lb/in²	14 kJ/m²	
73°f (23°c)	23 ft·lb/in²	48 kJ/m²	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Rockwell Hardness (R-scale)	109	109	ISO 2039-2
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
264 Psi (1.8 Mpa), Unannealed	228 °F	109 °C	
Vicat Softening Temperature	246 °F	119 °C	ISO 306/B
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating	HB	HB	UL 94

Additional Information
The tradename "Schulablend" may be abbreviated "SBL" in documents or on labels.

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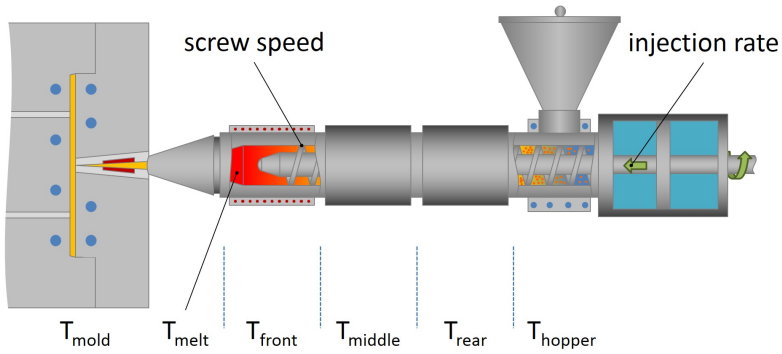

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 °F	100 °C
Drying Time	4.0 hr	4.0 hr
Suggested Max Moisture	0.02 %	0.02 %
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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