

Technical Data Sheet

# SCHULABLEND<sup>®</sup> (ASA/PA) M/MW 6101 SF U

Acrylonitrile Styrene Acrylate + PA  
Engineering Plastics

**Product Description**

Easy flow ASA/PA 6 blend, impact resistant, UV-stabilized. (Former name: SCHULABLEND<sup>®</sup> M/MW SF UV)

**General**

Additive	• UV Stabilizer
Features	• Good Flow • Good Impact Resistance
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm <sup>3</sup>	1.14 g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	23 cm <sup>3</sup> /10min	23 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.80 to 1.2 %	0.80 to 1.2 %	
Flow	0.80 to 1.2 %	0.80 to 1.2 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	341000 psi	2350 MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	7400 psi	51.0 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))	10 ft·lb/in <sup>2</sup>	21 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179/1eU

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	140 °F	60.0 °C	ISO 75-2/Af
Vicat Softening Temperature	282 °F	139 °C	ISO 306/B50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 in (2.00 mm)	1.2 in/min	30 mm/min	ISO 3795
0.0787 in (2.00 mm)	1.2 in/min	30 mm/min	FMVSS 302
Flammability Classification 0.06 in (1.6 mm)	HB	HB	IEC 60695-11-10, -20

**Additional Information**

- 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	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.