Technical Data Sheet

SCHULABLEND® (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® 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/cm³	1.14 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	23 cm³/10min	23 cm³/10min	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/in²	21 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	No Break	No Break	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/Af
264 psi (1.8 MPa), Unannealed	140 °F	60.0 °C	
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			IEC 60695-11-10, -20
0.06 in (1.6 mm)	HB	HB	

Additional Information

1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

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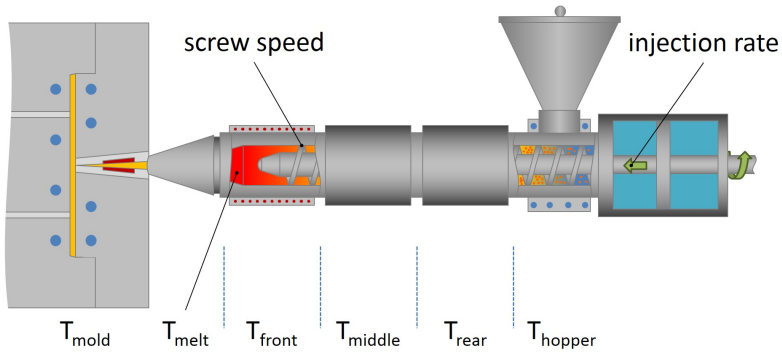

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

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