Technical Data Sheet

SCHULABLEND® (ABS/PA) M/MK 6501 SF U

Acrylonitrile Butadiene Styrene + PA
Engineering Plastics

Product Description	
High flow ABS/PA6 blend, high impact strength, UV stabilised. (Former name: SCHULABLEND® M/MK 2004 SF)	
General	
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA+ABS

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.08 g/cm³	1.08 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	10 cm³/10min	10 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	261000 psi	1800 MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	5800 psi	40.0 MPa	
Break	5800 psi	40.0 MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	3.4 %	3.4 %	
Break	120 %	120 %	
Flexural Modulus [1]	247000 psi	1700 MPa	ISO 178
Flexural Stress [1]			ISO 178
6.0% Strain	7250 psi	50.0 MPa	
3.5% Strain	7250 psi	50.0 MPa	
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	14 ft·lb/in²	30 kJ/m²	
73°F (23°C)	38 ft·lb/in²	80 kJ/m²	
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**
Heat Deflection Temperature			ISO 75-2/Af
264 psi (1.8 MPa), Unannealed	140 °F	60.0 °C	
Vicat Softening Temperature	264 °F	129 °C	ISO 306/B50
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

Additional Information

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

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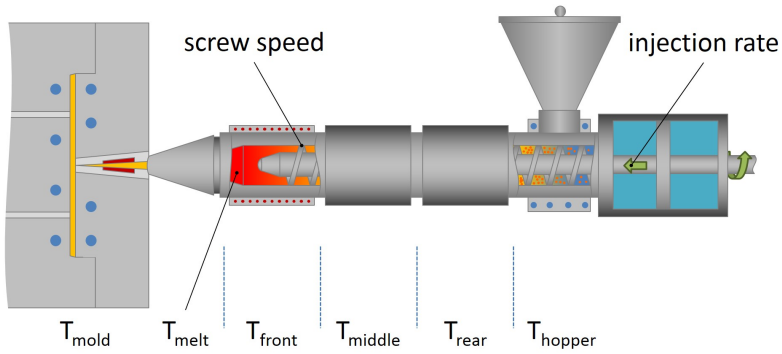

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

[1] 0.079 in/min (2.0 mm/min)

Notes

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