HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 6301 CA U

Polycarbonate + ASA
Engineering Plastics

Product Description
Constant antistatic PC / ASA, UV stabilized, with good flow and matt surface. Also available without UV stabilization.

General	
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PC+ASA

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm³	1.15 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	28 cm³/10min	28 cm³/10min	ISO 1133
Molding Shrinkage	0.40 to 0.60 %	0.40 to 0.60 %	ISO 294-4
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	334000 psi	2300 MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	7400 psi	51.0 MPa	
Break	6530 psi	45.0 MPa	
Tensile Strain (Yield)	4.8 %	4.8 %	ISO 527-2/1A/50
Nominal Tensile Strain at Break	100 %	100 %	ISO 527-2/1A/50
Flexural Modulus [1]	363000 psi	2500 MPa	ISO 178
Flexural Stress [1]			ISO 178
3.5% Strain	11200 psi	77.0 MPa	
5.7% Strain	13100 psi	90.0 MPa	
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	24 ft·lb/in²	50 kJ/m²	ISO 179/1eA
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			
66 psi (0.45 MPa), Unannealed	248 °F	120 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	203 °F	95.0 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	280 °F	138 °C	ISO 306/A50
--	270 °F	132 °C	ISO 306/B50
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Charge Decay Time - PV 3977 [2]	< 20.0 sec	< 20.0 sec	
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
Flammability Classification			IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	

HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 6301 CA U

Polycarbonate + ASA
Engineering Plastics

Additional Information

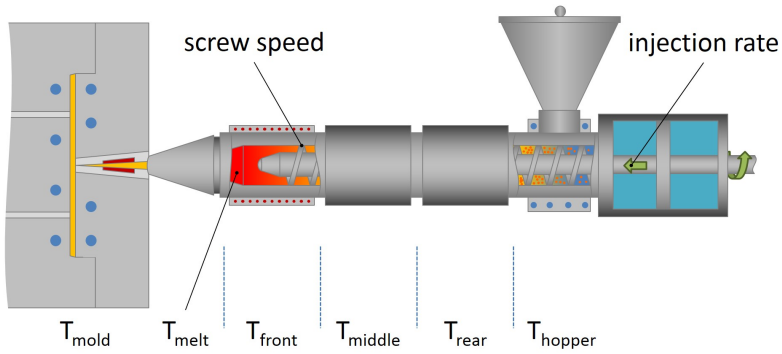
1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 6301 CA U

Polycarbonate + ASA
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 to 230 °F	100 to 110 °C
Drying Time	4.0 hr	4.0 hr
Suggested Max Moisture	< 0.02 %	< 0.02 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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

[2] PV 3977 Time to reach 0.5 kV