Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 5201 U

Polycarbonate + ASA
Engineering Plastics

Product Description
PC-ASA blend with good UV resistance, injection molding grade. (Former name: RONFALIN® D 120)

General			
Features	• Good Impact Resistance	• High Heat Resistance	• Weather Resistant
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PC+ASA UV		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm³	1.15 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	20 cm³/10min	20 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	363000 psi	2500 MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	7980 psi	55.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.5 %	4.5 %	ISO 527-2/1A/50
Flexural Modulus [1]	348000 psi	2400 MPa	ISO 178
Flexural Stress [1] (6.2% Strain)	12300 psi	85.0 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	19 ft·lb/in²	40 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			
-22°F (-30°C)	No Break	No Break	ISO 179
73°F (23°C)	No Break	No Break	ISO 179/1eU
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	252 °F	122 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	221 °F	105 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	257 °F	125 °C	ISO 306/A50
--	248 °F	120 °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
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
Flame Rating			UL 94 IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	

Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 5201 U

Polycarbonate + ASA
Engineering Plastics

Additional Information

Characteristic properties

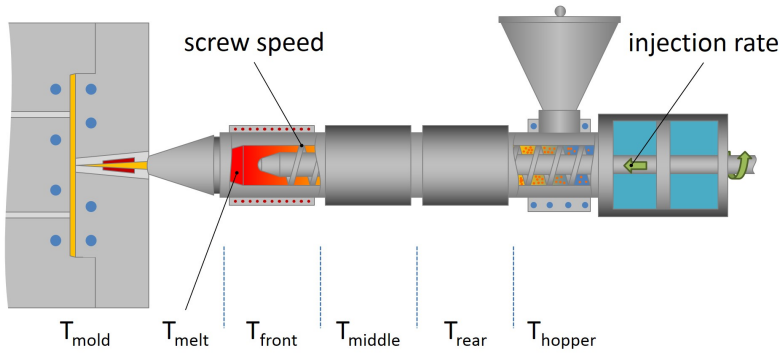
Retaining good impact-strength to low temperatures, PC-ASA blend also possess high rigidity, hardness and high heat deflection. Additional to this the material is highly UV resistant. Material has a glossy appearance.

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

Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 5201 U

Polycarbonate + ASA
Engineering Plastics



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 %
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)

Notes

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