Technical Data Sheet

SCHULABLEND® (PC/ASA) M/MA 6401 CA U

Polycarbonate + ASA
Engineering Plastics

Product Description
PC-ASA blend with increased impact strength, heat resistance and weather resistance; permanent antistatic

General		
Additive	• Antistatic	
Features	• Antistatic • Good Impact Resistance	• High Heat Resistance • Weather Resistant
Automotive Specifications	• GM QK 002421 UZ Color: 71255 Black	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm³	1.20 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	35 cm³/10min	35 cm³/10min	ISO 1133
Molding Shrinkage	0.40 to 0.60 %	0.40 to 0.60 %	Internal Method
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	276000 psi	1900 MPa	ISO 527-2/1A/1
Tensile Stress			
Yield	6530 psi	45.0 MPa	ISO 527-2/1A/50
Break	5660 psi	39.0 MPa	ISO 527-2/1A/5
Tensile Strain			
Yield	5.5 %	5.5 %	ISO 527-2/1A/50
Break	78 %	78 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	6.7 ft·lb/in²	14 kJ/m²	
73°F (23°C)	33 ft·lb/in²	70 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	212 °F	100 °C	
Vicat Softening Temperature	257 °F	125 °C	ISO 306/B50
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Surface Resistivity	1.0E+12 ohms	1.0E+12 ohms	IEC 60093
Volume Resistivity	1.0E+12 ohms·m	1.0E+12 ohms·m	IEC 62631-3-1
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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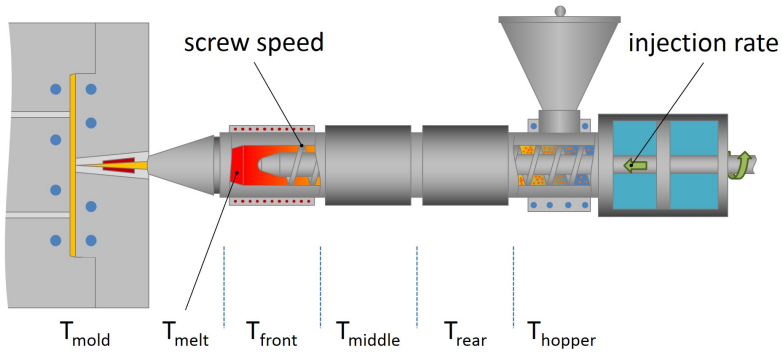

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 to 230 °F	100 to 110 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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