

Technical Data Sheet

**Schulblend M/MA 5301 U BLK2-0912**



Polycarbonate + ASA

**Product Description**

Schulblend M/MA 5301U is an UV stabilized PC/ASA alloy. (Former name: Ronfalin D120)

**Processing Method** Injection Molding

**Attribute** Good Impact Resistance; Good Weather Resistance; High Heat Resistance

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (260 °C/5.0 kg)	29	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.17	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (50 mm/min)	55.0	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Tensile Modulus, (1 mm/min)	2470	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	48	kJ/m <sup>2</sup>	ISO 179
(-40 °C)	14	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	109		ISO 2039-2
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N))	119	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa)	109	°C	ISO 75-2/A
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
<b>UL Information</b>			
Flame Rating	HB		UL 94
UL File Number	E51193-		
Outdoor Suitability			UL 746C

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	100	°C
Suggested Max Moisture	0.02	%
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	70 to 100	°C