

Technical Data Sheet

Schulblend M/MB 6301 U WHI81870



Polycarbonate + ABS

Product Description

ABS/PC-blend with higher impact and heat resistance. Also available as UV stabilized version. (Former name: RONFALIN C130)

Processing Method Injection Molding

Resin ID ABS+PC

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	16	cm ³ /10 min	ISO 1133
Density	1.15	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	55.0	MPa	ISO 527-2
Tensile Strain at Break, (Type 1A, 50 mm/min)	40	%	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	5.2	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 50 mm/min)	40.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2260	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	45	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	17	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	17	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-20 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	130	°C	ISO 306
(A (10N), 50 °C/h)	140	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	127	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	105	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	40	mm/min	ISO 3795
(2.00 mm)	40	mm/min	FMVSS 302

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	100 to 110	°C
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	70 to 100	°C