

Technical Data Sheet

Schulablend M/MB 4301 PIN57385



Polycarbonate + ABS

Product Description

ABS/PC blend with increased impact strength, heat resistance and good flow behaviour. Also available as UV stabilized. (Former name: SCHULABLEND M/MB 3)

Application General Purpose

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (260 °C/5.0 kg)	16	g/10 min	ISO 1133
Density	1.11	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	49	MPa	ISO 527-2
Tensile Strain at Break	>50	%	ISO 527-2
Flexural Modulus	2150	MPa	ISO 178
Tensile Strain at Yield, (Type 1)	4.0	%	ISO 527-2
Tensile Modulus	2300	MPa	ISO 527-1
Flexural Stress	72	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C)	40	kJ/m ²	ISO 179
(-30 °C)	18	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(-30 °C)	No Break		ISO 179
(23 °C)	No Break		ISO 179
Notched Izod Impact (Area), (23 °C)	55.0	kJ/m ²	ASTM D256
Hardness			
Ball Indentation Hardness, (H 358/30)	80.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	115	°C	ISO 306
(A (10N))	132	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	105	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	99	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			

Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
UL Information			
Flame Rating			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94
Flammability Classification			
(1.5 mm)	HB		IEC 60695-11-10, -20
(3.0 mm)	HB		IEC 60695-11-10, -20

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