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)

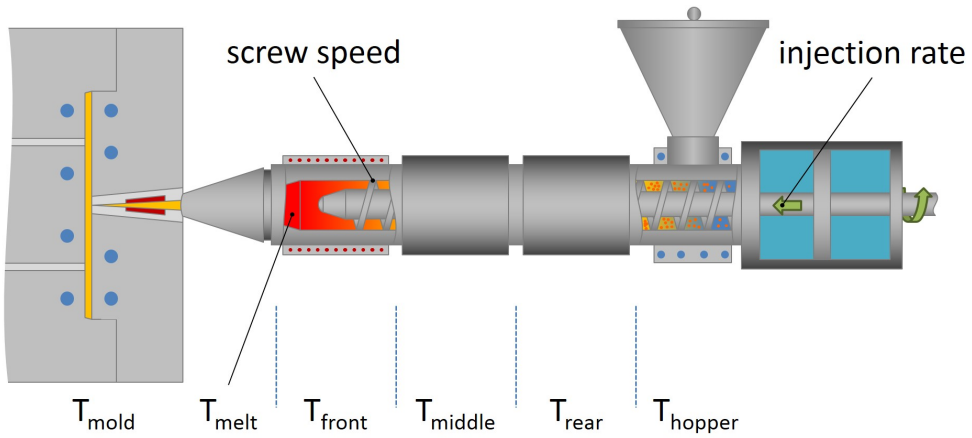
Regulatory Status

For regulatory compliance information, see *Schulablend* M/MB 4301 PIN57385 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
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/cm³	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/m²	ISO 179
(-30 °C)	18	kJ/m²	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/m²	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

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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