Technical Data Sheet

Schulablend M/MB 6301 LE NAT

Polycarbonate + ABS

Product Description

ABS/PC-blend with higher impact and heat resistance

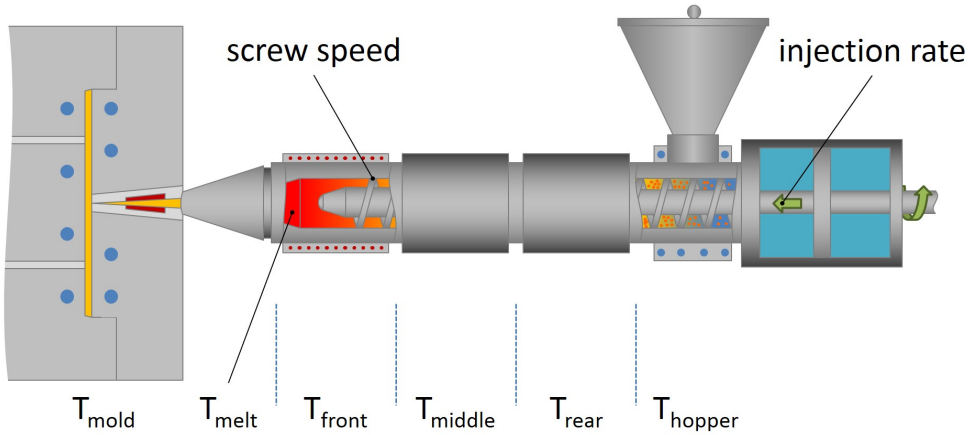
Regulatory Status

For regulatory compliance information, see *Schulablend* M/MB 6301 LE NAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Attribute	High Heat Resistance; High Impact Resistance
Resin ID	ABS+PC

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	14	cm³/10 min	ISO 1133
Density, (Method A)	1.13	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	52.0	MPa	ISO 527-2
Tensile Strain at Break, (Type 1A, 5 mm/min)	60	%	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2200	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	50	kJ/m²	ISO 179
(-30 °C)	33	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	96.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	125	°C	ISO 306
(A (10N), 50 °C/h)	138	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	125	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	105	°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)	<40	mm/min	ISO 3795
(2.00 mm)	<40	mm/min	FMVSS 302
UL Information			
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
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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