

## Technical Data Sheet

**Schulblend M/MB 6301 LE BLK72845**

Polycarbonate + ABS

**Product Description**

ABS/PC-blend with higher impact and heat resistance

**Regulatory Status**For regulatory compliance information, see *Schulblend M/MB 6301 LE BLK72845* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

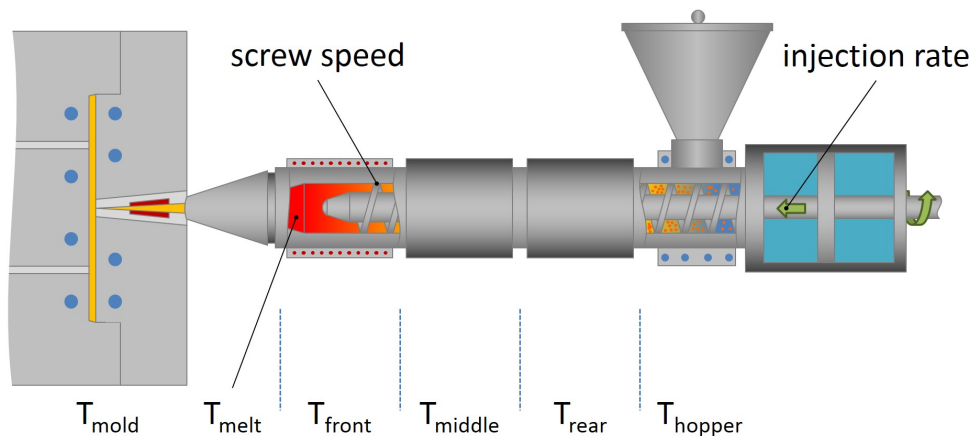
<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	High Heat Resistance; High Impact Resistance
<b>Resin ID</b>	ABS+PC

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (260 °C/5.0 kg)	14	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.13	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	50	kJ/m <sup>2</sup>	ISO 179
(-30 °C)	33	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	96.0	MPa	ISO 2039-1
<b>Thermal</b>			
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
<b>Electrical</b>			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
<b>Flammable</b>			

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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