Technical Data Sheet

Schulablend M/MB 6103 GF20 U BLK71735

Polycarbonate + ABS

Product Description

20% glass fibre reinforced ABS/PC blend. (Former name: SCHULABLEND M/MB 5 GF20)

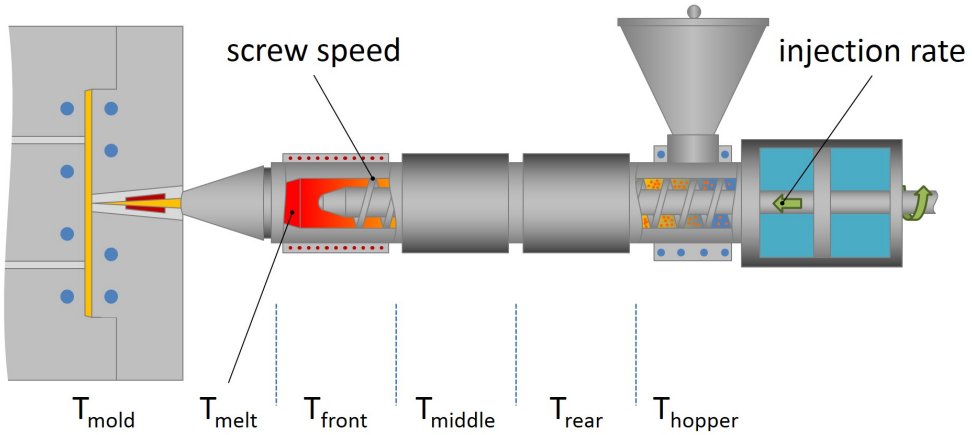
Regulatory Status

For regulatory compliance information, see *Schulablend* M/MB 6103 GF20 U BLK71735 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
Filler/Reinforcement	Glass Fiber, 20%
Resin ID	ABS+PC-GF

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	35	cm³/10 min	ISO 1133
Density, (Method A)	1.26	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	2.0	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	80.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	6000	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	9.0	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	7.0	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	28	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	30	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	147	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	132	°C	ISO 306
(A (10N), 50 °C/h)	142	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	132	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	121	°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



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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