

Technical Data Sheet

Schulablend M/MW 6101 MT SF U GRY 69670



Acrylonitrile Styrene Acrylate + PA

Product Description

Nanocomposite filled PA/ASA 6-blend with increased dimensional stability, high flow, improved heat performance and UV stabilized. (Former name: M/MW NC 100 SF UV)

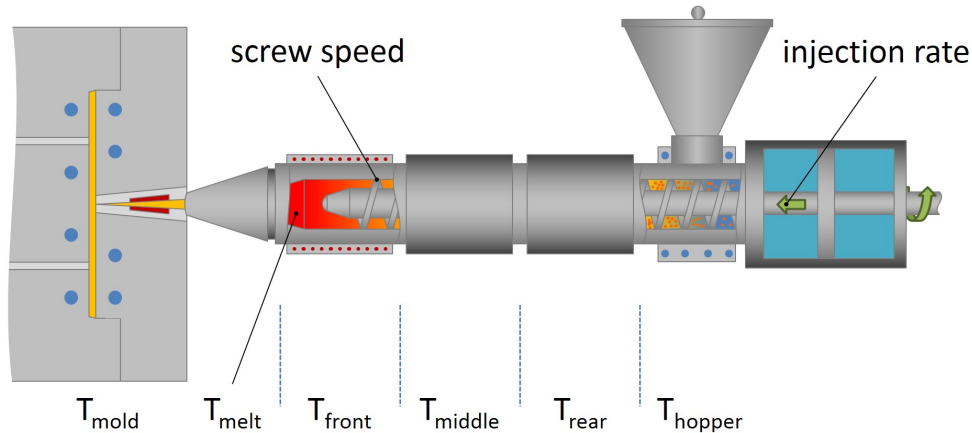
Regulatory Status

For regulatory compliance information, see *Schulablend* M/MW 6101 MT SF U GRY 69670 [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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	25	cm ³ /10 min	ISO 1133
Density, (Method A)	1.19	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield			
(Type 1A, 50 mm/min)	51.0	MPa	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	32.0	MPa	ISO 527-2
Tensile Strain at Yield			
(Type 1A, 50 mm/min)	3.7	%	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	16	%	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	3100	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	1400	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	22	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	110	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	No Break		ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	139	°C	ISO 306
(A (10N), 50 °C/h)	208	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	95.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	55.0	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
- Conditioned	>1.0E+13	ohm*m	IEC 62631-3-1

Surface Resistivity	>1.0E+15	ohm	IEC 60093
- Conditioned	>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			
(1.6 mm)	HB		IEC 60695-11-10, -20
(1.6 mm) - Conditioned	HB		IEC 60695-11-10, -20



Injection Parameters	Nominal Value	Units
Nozzle Temperature	260	°C
Processing (Melt) Temp	230 to 260	°C
Front Temperature	250	°C
Hopper Temperature	50	°C
Middle Temperature	230 to 240	°C
Rear Temperature	220	°C
Injection Rate	Fast	
Back Pressure	5.00 to 15.0	MPa
Mold Temperature	30 to 80	°C
Injection Pressure	100 to 150	MPa
Cushion	2.00 to 5.00	mm

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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