

Technical Data Sheet

Schulamid XM GF 60 CN BLK 968001



Polyamide 66 + PA 6I/6T

Product Description

60% glassfiber reinforced semi-aromatic Polyamide Compound with excellent rigity and strength, also if conditioned. Able for Substitution Die Cast Metal.

Regulatory Status

For regulatory compliance information, see *Schulamid XM GF 60 CN BLK 968001* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Europe
Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber, 60%
Resin ID	PA 66 + PA 6I/6T GF 60

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.73	g/cm ³	ISO 1183
Viscosity Number, (96% H2SO4 (Sulphuric Acid))	120	cm ³ /g	ISO 307
Mechanical			
Tensile Strain at Break			
(5 mm/min)	2.4	%	ISO 527-2
(5 mm/min) - Conditioned	2.4	%	ISO 527-2
Flexural Modulus	19800	MPa	ISO 178
Tensile Stress at Break			
(5 mm/min)	260	MPa	ISO 527-2
(5 mm/min) - Conditioned	235	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min)	22000	MPa	ISO 527-1
(1 mm/min) - Conditioned	21000	MPa	ISO 527-1
Flexural Stress, (2.0 mm/min)	395	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	15	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	14	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	13	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	95	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise)	85	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	85	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	230	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	210	°C	ISO 75-2/A

Electrical

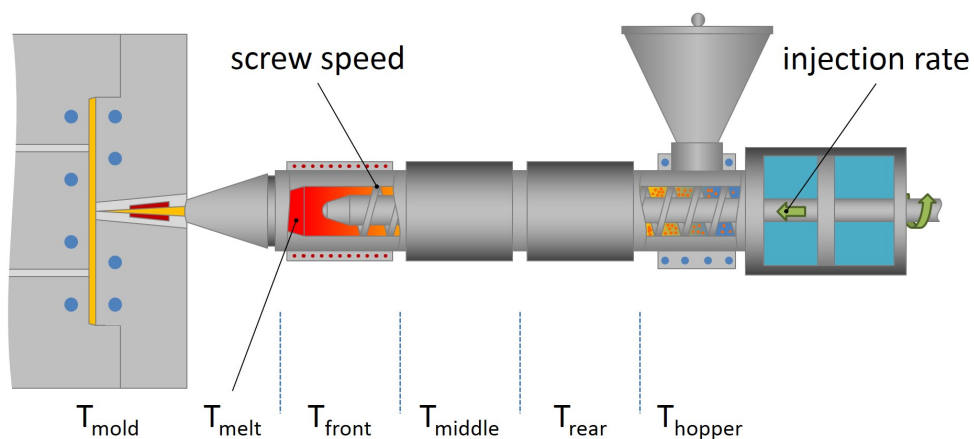
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
- Conditioned	>1.0E+10	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
- Conditioned	>1.0E+12	ohm	IEC 60093

Flammable

Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795

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	3.0 to 6.0	hr
Drying Temperature	80	°C
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	80 to 120	°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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