

Technical Data Sheet

Schuladur A3 GF 30 LM BLK 968112



Polybutylene Terephthalate + ASA

Product Description

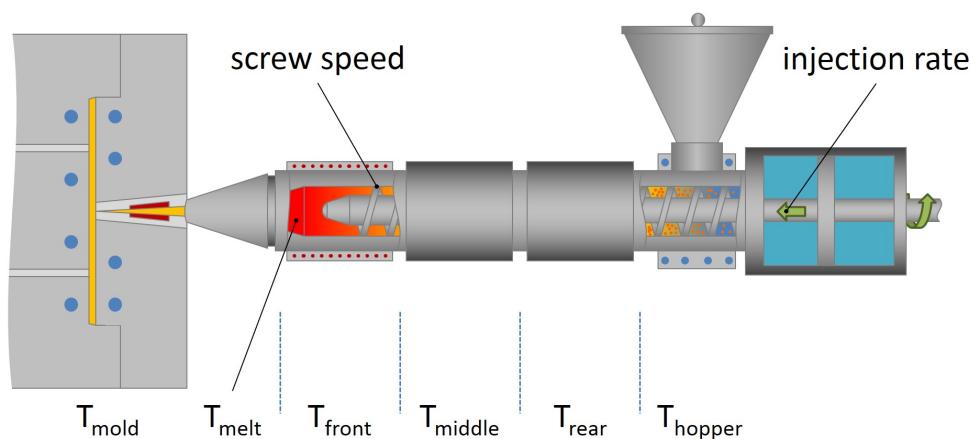
30% glass fibre reinforced lasermarkable PBT/ASA-blend with high surface quality and reduced warpage

Regulatory Status

For regulatory compliance information, see Schuladur A3 GF 30 LM BLK 968112 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Europe
Processing Method	Injection Molding
Attribute	Good Surface Finish; Low Warpage
Filler/Reinforcement	Glass Fiber, 30%
Resin ID	(PBT+ASA)-GF30

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	20	cm ³ /10 min	ISO 1133
Density, (Method A)	1.43	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	2.0	%	ISO 527-2
Flexural Modulus, (2.0 mm/min)	10500	MPa	ISO 178
Tensile Stress at Break, (Type 1A, 5 mm/min)	115	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	9500	MPa	ISO 527-1
Flexural Stress, (2.0 mm/min, 2.5%)	205	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	7.0	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	7.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	50	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise)	48	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	140	°C	ISO 306
(A (10N), 50 °C/h)	210	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	215	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	175	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	30	mm/min	FMVSS 302
(2.00 mm)	30	mm/min	ISO 3795



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	100	°C
Suggested Max Moisture	0.05	%
Nozzle Temperature	260	°C
Processing (Melt) Temp	250 to 260	°C
Front Temperature	260	°C
Holding Pressure	40.0 to 70.0	MPa
Hopper Temperature	70	°C
Middle Temperature	245	°C
Vent Depth	0.02	mm
Rear Temperature	230	°C
Injection Rate	Moderate-Fast	
Back Pressure	5.00 to 10.0	MPa
Mold Temperature	60 to 90	°C
Injection Pressure	80.0 to 120	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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