

Technical Data Sheet

Schulamid 66 GF35 H EP NAT



Polyamide 66

Product Description

35% glass fiber reinforced, heat stabilized Polyamide 66 with excellent stiffness and impact strength.

Regulatory Status

For regulatory compliance information, see *Schulamid 66 GF35 H EP NAT* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Europe
Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber, 35%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.41	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break			
(Type 1A, 5 mm/min)	2.8	%	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	4.5	%	ISO 527-2
Tensile Stress at Break			
(Type 1A, 5 mm/min)	200	MPa	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	133	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	11000	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	7900	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	14	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	10	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	17	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A) - Conditioned	7.8	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	87	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise)	73	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	86	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise) - Conditioned	69	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	>250	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	245	°C	ISO 75-2/A
Flammable			

Burning Rate

(2.00 mm)

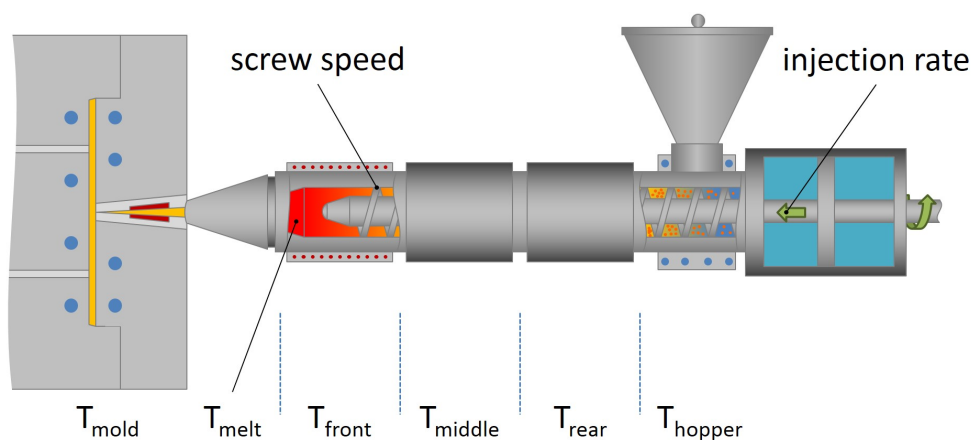
30 mm/min

ISO 3795

(2.00 mm)

30 mm/min

FMVSS 302



Injection Parameters	Nominal	
	Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	60 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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