

Technical Data Sheet

# Schulamid 6 BNT 3000 F LS

Polyamide 6  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

30% glass fiber reinforced Polyamid 6

**General**

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PAM 6 GF30 UV

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density	1.36 g/cm <sup>3</sup>	1.36 g/cm <sup>3</sup>	ISO 1183/A
Viscosity Number	140 cm <sup>3</sup> /g	140 cm <sup>3</sup> /g	ISO 307

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Modulus	1.38E+6 psi	9500 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	26500 psi	183 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.3 %	3.3 %	ISO 527-2/1A/5
Flexural Modulus <sup>1</sup>	1.23E+6 psi	8450 MPa	ISO 178
Flexural Stress <sup>1</sup> (4.0% Strain)	37000 psi	255 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	4.3 ft·lb/in <sup>2</sup>	9.0 kJ/m <sup>2</sup>	
73°f (23°c)	5.7 ft·lb/in <sup>2</sup>	12 kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	33 ft·lb/in <sup>2</sup>	70 kJ/m <sup>2</sup>	
73°f (23°c)	43 ft·lb/in <sup>2</sup>	90 kJ/m <sup>2</sup>	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	428 °F	220 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	392 °F	200 °C	ISO 75-2/af
Vicat Softening Temperature	410 °F	210 °C	ISO 306/B50

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Surface Resistivity	> 1.0E+16 ohms	> 1.0E+16 ohms	IEC 60093
Volume Resistivity	> 1.0E+16 ohms·cm	> 1.0E+16 ohms·cm	IEC 60093

**Notes**

<sup>1</sup> 0.079 in/min (2.0 mm/min)

**Notes**

These are typical property values not to be construed as specification limits.