

Technical Data Sheet



Polyman E-15329

Styrene Acrylonitrile
LyondellBasell Industries
Engineering Plastics

Product Description

SAN Graphite/Glass

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.28 to 1.33	1.28 to 1.33 g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR)	2.0 to 15 g/10 min	2.0 to 15 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield, 73°F (23°C))	7000 psi	48.3 MPa	ASTM D638
Flexural Modulus ² (73°F (23°C))	1.00E+6 psi	6900 MPa	ASTM D790A
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.40 ft·lb/in	21 J/m	ASTM D256A

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Processing (Melt) Temp	390 to 540 °F	199 to 282 °C
Mold Temperature	140 °F	60 °C
Injection Rate	Moderate-Fast	Moderate-Fast

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Notes

¹ Type I, 0.20 in/min (5.0 mm/min)

² Method I (3 point load), Type I, 0.051 in/min (1.3 mm/min)

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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