

ICORENE® N9501

Styrene Acrylonitrile
Custom Powders

Product Description

ICORENE® N9501 is a styrene acrylonitrile (SAN) copolymer with good chemical resistance and a very low residual monomers content.

This grade is characterized by its high clarity and its good mechanical properties and is recommended for injection.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• High Clarity • Low Residuals
Uses	• Fittings • Masterbatch • Household Goods • Printer
Forms	• Powder

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.07 g/cm ³	1.07 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	22 g/10 min	22 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break, 0.197 in (5.00 mm))	9720 psi	67.0 MPa	ISO 527-2
Tensile Elongation ¹ (Break)	2.5 %	2.5 %	ISO 527
Flexural Stress	15200 psi	105 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	5.7 ft·lb/in ²	12 kJ/m ²	ISO 179
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	208 °F	98.0 °C	ASTM D648
Vicat Softening Temperature	226 °F	108 °C	ISO 306

Notes

¹ 0.20 in/min (5.0 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.

Company Information

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

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