

Technical Data Sheet

Icorene N9501

Styrene Acrylonitrile
LyondellBasell Industries
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

| | | |
|----------|---------------------------------|----------------------------|
| Features | • High Clarity | • Low Residuals |
| Uses | • Fittings • Household Goods | • Masterbatch • 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 |
| Deflection Temperature Under Load 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.