

## Icorene N6501

High Impact Polystyrene  
LyondellBasell Industries  
Custom Powders

### Product Description

ICORENE® N6501 is a high impact polystyrene grade with good flow properties.

This grade is suitable for masterbatch applications.

### General

|                |                   |                          |
|----------------|-------------------|--------------------------|
| Features       | • Good Flow       | • High Impact Resistance |
| Uses           | • Masterbatch     |                          |
| Agency Ratings | • EU Food Contact | • FDA Food Contact       |
| Forms          | • Powder          |                          |

| Physical                                     | Nominal Value (English)   | Nominal Value (SI)     | Test Method  |
|----------------------------------------------|---------------------------|------------------------|--------------|
| Density                                      | 1.04 g/cm <sup>3</sup>    | 1.04 g/cm <sup>3</sup> | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)     | 11 g/10 min               | 11 g/10 min            | ISO 1133     |
| Mechanical                                   | Nominal Value (English)   | Nominal Value (SI)     | Test Method  |
| Tensile Stress (Break)                       | 3340 psi                  | 23.0 MPa               | ISO 527-2/50 |
| Tensile Strain (Break)                       | 50 %                      | 50 %                   | ISO 527-2/50 |
| Flexural Stress <sup>1</sup>                 | 5800 psi                  | 40.0 MPa               | ISO 178      |
| Impact                                       | Nominal Value (English)   | Nominal Value (SI)     | Test Method  |
| Charpy Notched Impact Strength (73°F (23°C)) | 3.8 ft·lb/in <sup>2</sup> | 8.0 kJ/m <sup>2</sup>  | ISO 179/1eA  |
| Thermal                                      | Nominal Value (English)   | Nominal Value (SI)     | Test Method  |
| Vicat Softening Temperature <sup>2</sup>     | 185 °F                    | 85.0 °C                | ISO 306/B50  |

### Notes

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

<sup>2</sup> Oil

### Notes

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

