

Technical Data Sheet

Icorene N6504-2000 NAT 0000



Polystyrene, High Impact

Product Description

Icorene N6504 is a high impact prime polystyrene grade with a good balance of toughness, high flow, heat resistance and gloss. This grade is suitable for use as a base for masterbatch or compound production.

Regulatory Status

For regulatory compliance information, see *Icorene* N6504-2000 NAT 0000 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Processing Method	Compounding
Attribute	Good Toughness; High Flow; High Gloss; High Heat Resistance
Forms	Powder
Application	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	14	g/10 min	ISO 1133
Density	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	27.0	MPa	ISO 527-2
Tensile Strain at Break, (50 mm/min)	25	%	ISO 527-2
Flexural Stress, (2.0 mm/min)	41.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	16	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	91.0	°C	ISO 306

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/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.