

Technical Data Sheet

Icorene N6404-500 NAT 0000



Polystyrene, General Purpose

Product Description

Icorene N6404 is a general purpose polystyrene grade, with high flow. This grade is suitable for masterbatch applications.

Regulatory Status

For regulatory compliance information, see *Icorene* N6404-500 NAT 0000 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Attribute	Crystal; 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)	21	g/10 min	ISO 1133
Density	1.05	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (50 mm/min)	2.0	%	ISO 527-2
Tensile Stress at Break, (50 mm/min)	40.0	MPa	ISO 527-2
Flexural Stress, (2.0 mm/min)	70.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Unnotched, (23 °C)	8.0	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (B (50N))	84.0	°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/>.

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