

Technical Data Sheet

Icorene N9903-2000 NAT 0000



Acrylic, Polymethyl Methacrylate

Product Description

Icorene N9903 is a Polymethyl Methacrylate Acrylic (PMMA) material. This grade is used for masterbatch applications

Regulatory Status

For regulatory compliance information, see *Icorene* N9903-2000 NAT 0000 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Forms	Powder
Application	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/3.8 kg)	15	g/10 min	ISO 1133
Density	1.18	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	5	%	ISO 527-2
Flexural Modulus	3100	MPa	ISO 178
Tensile Stress at Break	65	MPa	ISO 527-2
Impact			
Charpy Impact Strength - Notched, (Type 2, Notch C)	2.0	kJ/m ²	ISO 179
Notched Izod Impact Strength, (Type 1, Notch A)	1.8	kJ/m ²	ISO 180
Hardness			
Rockwell Hardness, (M-Scale)	89		ASTM D785
Thermal			
Vicat Softening Temperature, (B (50N))	90.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	82	°C	ISO 75-2/B
DSC Melting Point, (Internal Method)	200	°C	ISO 3146
Optical			
Haze	0.5	%	ASTM D1003
Light Transmittance	92	%	ASTM D1003

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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