

Technical Data Sheet

Icorene 9909 NAT 0000



Polycarbonate

Product Description

Icorene 9909 is a polycarbonate powder that has been specifically developed for rotational moulding. This grade exhibits an excellent balance of transparency, stiffness and toughness. *Icorene* 9909 is UV stabilised and is suitable for applications requiring high temperature resistance. Moreover, this grade is UL94 V2 flame retardant (Schulman R&D test).

Regulatory Status

For regulatory compliance information, see *Icorene* 9909 NAT 0000 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Processing Method	Rotomolding
Attribute	Good Stiffness; Good Toughness; High Clarity; High Heat Resistance; UV Resistant
Forms	Powder
Appearance	Clear/Transparent; Natural Color; Unspecified Color
Additive	Flame Retardant; UV Stabilizer
Application	Lighting Fixtures

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	19	g/10 min	ISO 1133
Density	1.2	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	65	MPa	ISO 527-2
Flexural Modulus	2350	MPa	ISO 178
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	148	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	140	°C	ISO 75-2
Deflection Temperature Under Load Unannealed (1.80 MPa)	128	°C	ISO 75-2/A
Electrical			
Thermal Conductivity, (23 °C)	0.20	W/m/K	ISO 8302
Optical			
Light Transmittance, (3000 µm)	89.0	%	ISO 13468
UL Information			
Flame Rating, (Internal Method)	V-2		UL 94

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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