

Technical Data Sheet

Icorene 9909

Polycarbonate
LyondellBasell Industries
Rotomolding

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).

General			
Additive	• UV Stabilizer		
Features	• Flame Retardant • Good Stiffness	• Good Toughness • High Clarity	• High Heat Resistance • UV Resistant
Uses	• Lighting Fixtures		
Appearance	• Clear/Transparent	• Natural Color	• Unspecified Color
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 Kg)	19 g/10 min	19 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	9430 psi	65.0 MPa	ISO 527-2
Flexural Modulus	341000 psi	2350 MPa	ISO 178
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	284 °F	140 °C	ISO 75-2
264 Psi (1.8 Mpa), Unannealed	262 °F	128 °C	ISO 75-2/A
Vicat Softening Temperature	298 °F	148 °C	ISO 306/B50
Thermal Conductivity (73°F (23°C))	1.4 Btu·in/hr/ft ² /°F	0.20 W/m/K	ISO 8302
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating	V-2	V-2	Internal Method
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Light Transmittance (118.1 Mil (3000 µm))	89.0 %	89.0 %	ISO 13468

Notes

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