

Technical Data Sheet

Icorene 9005 NAT



Polyamide 12

Product Description

Icorene 9005 is a heat stabilised natural PA12 based powder specifically designed to be used in rotational moulding.

Icorene 9005 is especially suitable for use in manufacturing rotomoulded industrial and technical applications that require high heat or fuel resistance combined with a good combination of toughness and stiffness.

It is easy to use and roto-processing requires no inert gas.

Final rotomoulded parts exhibit very low water absorption levels in comparison with PA6 based materials.

Regulatory Status

For regulatory compliance information, see *Icorene* 9005 NAT [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Processing Method	Rotomolding
Attribute	Antioxidant
Forms	Powder
Appearance	Natural Color
Additive	Antioxidant
Application	Automotive Applications; Automotive Under the Hood; Fuel Tanks; Industrial Applications; Non-fuel Reservoirs; Tanks, Industrial

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.01	g/cm ³	ISO 1133
Mechanical			
Tensile Modulus	1110	MPa	ISO 527-1, -2
Tensile Stress at Yield	39	MPa	ISO 527-1, -2
Thermal			
Melting Temperature	178	°C	ISO 11357

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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