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## **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.

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

	Nominal		
Typical Properties	Value	Units	Test Method
Physical			
Density	1.01	g/cm³	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