

# SIRESTER<sup>®</sup> IS 0868/T

**PRODUCT DATA  
SHEET**  
RP/0868T/022014

## Description

Unsaturated isophthalic polyester resin, thixotropic, with low reactivity and medium-high viscosity.

## Applications

SIRESTER ISN 0868/T is a general purpose material, particularly suitable in the ship-building and GFRP sectors.

## Sales specification

Property	Value	Unit	Method
Acid number	≤ 15	mg KOH/g	SIR 10231

## Typical Properties

Property	Value	Unit	Method
Appearance	Turbid blue liquid		SIR 10010
Styrene content	40 - 44	%	SIR 10352
Thixotropic index	> 3,5		
- 2 rpm	> 3000	mPa s	SIR 10215
- 20 rpm	< 1000	mPa s	
Gel time at 25 °C <sup>(1)</sup>	55 – 65	minute	SIR 10376
Exothermic Peak	95 - 115	°C	SIR 10376
Stability at 65 °C	6	day	SIR 10242

(1) Formulation: 100 g resin + 1,60% Co (oct) 1% + 2,00 ml TRIGONOX 61

SIRESTER<sup>®</sup>: SIR INDUSTRIALE registered trade mark.

N.B.: The data given in this brochure do not constitute characteristic properties of the single product.

To our best knowledge, the information contained in this brochure is accurate and corresponds to the truth.

However, any recommendations or suggestions are provided without any guarantee, since the conditions in which the products are used are not under our control. Furthermore, nothing contained in this brochure shall be interpreted as a recommendation for using the product in violation of any patents relating to the material and their uses.

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## Mechanical properties of pure cured resin

Property	Value	Unit	Method
Barcol hardness	40		EN 59
Flexural strength	100	MPa	EN 63
E-Module, flexion	4300	MPa	EN 63
Tensile strength	70	MPa	EN 61
E-Module, tension	3900	MPa	EN 61
Elongation at break	2,5	%	EN 61
HDT	65	°C	EN ISO 75 A

## Mechanical properties of glass fiber reinforced resin (glass/resin 30/70)

Property	Value	Unit	Method
Flexural strength	210	MPa	EN 63
E-Module, flexion	9200	MPa	EN 63
Tensile strength	115	MPa	EN 61
E-Module, tension	9000	MPa	EN 61

## Supply Form

Product is available in a 225 Kg lined drum, 1000 Kg container or in bulk.

## Storage stability

The product is stable for 3 months if stored in lined steel drums or in stainless steel tankers at 20 °C, away from sources of light and free of iron or copper salts, organic and inorganic peroxides. A long period of storage can cause slight segregation of the solid part of the product: stirring the material before using is strictly suggested.

## Safety

The product is flammable and harmful.

Further information is provided in the relevant safety data sheet.

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