

SIRESTER[®] FSN 0850/AMT/E

PRODUCT DATA SHEET
RP/0850AMTE/102017

Description

Orthophthalic, unsaturated polyester resin, diluted in styrene, with medium reactivity and medium viscosity, thixotropic, preaccelerated.

Applications

SIRESTER FSN 0850/AMT/E is particularly suitable for the marine sector; thanks to its specific formulation the product provides fast demoulding time and good mechanical properties.

Sales specification

Property	Value	Unit	Method
Acid number	≤ 30	mg KOH/g r	SIR 10231

Typical Properties

Property	Value	Unit	Method
Appearance	blue turbid liquid		SIR 10010
Styrene content	40	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	27	minutes	SIR 10267
Thixotropic index	> 3,0		
2 rpm	> 2000	mPa s	SIR 10215
20 rpm	< 700	mPa s	
Stability at 65 °C	6	days	SIR 10242

(1) Formulation: 100 g resin + 1,50 ml MEKP-50

During long storage a slight increase of the gel time can occur: we suggest to adjust the amount of catalyst in order to obtain correct values.

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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.

Mechanical properties of the cured resin

Property	Value	Unit	Method
Barcol hardness	55		EN 59
Flexural strength	100	MPa	EN 63
E-Module, flexion	4200	MPa	EN 63
Tensile strength	70	MPa	EN 61
E-Module, tension	3800	MPa	EN 61
Elongation at break	3,0	%	EN 61
HDT	70	°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	8900	MPa	EN 63
Tensile strength	110	MPa	EN 61
E-Module, tension	9700	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 a stainless steel tank or lined drums (avoid glass fibre based containers or tin plated drums), at 20 °C temperature, in a dark/ventilated place. Keep away from iron and 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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