

SIRESTER[®] LSC 0850/AMT/E

PRODUCT DATA
SHEET
RP/LSC0850AMTE/022019

Description

Unsaturated orthophthalic DCPD-based polyester resin, diluted in styrene, thixotropic, with medium reactivity and medium viscosity, preaccelerated.

Application

SIRESTER LSC 0850/AMT/E is a general purpose resin. Its formulation allows it to have high wetting capability for glass fibre, and provides a reduced styrene content. Suggested for warm season/environment.

Sales specification

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

Typical Properties

Property	Value	Unit	Method
Appearance	blue turbid liquid		SIR 10010
Styrene content	< 35	%	SIR 10352
Thixotropic index	> 3,0		
2 rpm	> 2000	mPa s	SIR 10215
20 rpm	< 700	mPa s	
Gel time at 25 °C ⁽¹⁾	25	minutes	SIR 10267
Gel to peak time	17	minutes	SIR 10267
Exothermic peak	180	°C	SIR 10267
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.

SIRESTER[®]: 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.

Mechanical properties of pure cured resin (*)

Property	Value	Unit	Method
Barcol hardness	55		EN 59
Flexural strength	100	MPa	EN 63
E-Module, flexion	4100	MPa	EN 63
Tensile strength	65	MPa	EN 61
E-Module, tension	3700	MPa	EN 61
Elongation at break	2,5	%	EN 61
HDT	70	°C	EN ISO 75 A

(*) Typical properties, not suitable for specification; postcuring cycle: 24 hours 25 °C + 2 hours 100 °C

Mechanical properties of reinforced resin (glass/resin 30/70) (*)

Property	Value	Unit	Method
Flexural strength	220	MPa	EN 63
E-Module, flexion	9500	MPa	EN 63
Tensile strength	100	MPa	EN 61
E-Module, tension	9000	MPa	EN 61

(*) Typical properties, not suitable for specification; postcuring cycle: 24 hours 25 °C + 2 hours 100 °C

Supply Form

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

Storage stability

The product is stable for 4 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 may 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.

SIRESTER[®]: 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.

SIRESTER[®]: 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.

