

# SIRESTER<sup>®</sup> LSC 0850/AM

**PROVISIONAL DATA SHEET**  
RP/LSC0850AM/112019

## Description

Unsaturated hybrid polyester resin, modified with DCPD, preaccelerated and diluted in styrene, with fast reactivity and low viscosity.

## Applications

SIRESTER LSC 0850/AM is suitable for closed-mould applications, in particular for injection processes; its formulation provides good mechanical properties, low shrinkage and quick demoulding time.

## Sales specification

Property	Value	Unit	Method
Acid number	< 30	mg KOH/gr	SIR 10231
Viscosity at 25 °C	180 - 230	mPa s	SIR 10017

## Typical Properties

Property	Value	Unit	Method
Appearance	Clear rose liquid		SIR 10010
Styrene content	37	%	SIR 10352
Gel time at 25 °C <sup>(1)</sup>	9	minute	SIR 10386
Curing time	15	minute	SIR 10386
Exothermic peak	150	°C	SIR 10386
Stability at 65 °C	6	day	SIR 10242

(1) Formulation: 100 gr resin + 2,00 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<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**

<b>Property</b>	<b>Value</b>	<b>Unit</b>	<b>Method</b>
Barcol hardness	40		EN 59
Flexural strength	120	MPa	EN 63
E-Module, flexion	3600	MPa	EN 63
Tensile strength	70	MPa	EN 61
E-Module, tension	3600	MPa	EN 61
Elongation at break	2,5	%	EN 61
HDT	80	°C	EN ISO 75 A

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

<b>Property</b>	<b>Value</b>	<b>Unit</b>	<b>Method</b>
Flexural strength	200	MPa	EN 63
E-Module, flexion	6000	MPa	EN 63
Tensile strength	95	MPa	EN 61
E-Module, tension	6800	MPa	EN 61

### **Supply Form**

Product is available in a 225 kg lined drum, 1000 kg container and bulk.

### **Storage stability**

The product is stable for 6 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.

### **Safety**

The product is flammable and harmful.

Further information is provided in the relevant safety data sheet.

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