

SIRESTER[®] FS 0992/AT

PRODUCT DATA SHEET

RP/0992AT/122011

Description

Unsaturated orthophthalic, polyester resin, thixotropic and accelerated, with medium reactivity and medium viscosity.

Applications

SIRESTER FS 0992/AT is particularly suitable for spray-up and lay-up technology. The resin is also suggested for the reinforcement of PMMA.

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	38	%	SIR 10352
Thixotropic index at 25 °C	> 3.0		SIR 10215
2 rpm	> 1800	mPa.s	
20 rpm	< 600	mPa s	
Gel time at 25 °C ⁽¹⁾	13	minute	SIR 10267
Stability at 65 °C	6	day	SIR 10242

(1) Formulation: 100 g resin + 1,5 ml MEKP 50%

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.

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Mechanical properties of pure cured resin

Property	Value	Unit	Method
Barcol hardness	55		EN 59
Flexural strength	90	MPa	EN 63
E-Module, flexion	4000	MPa	EN 63
Tensile strength	55	MPa	EN 61
E-Module, tension	3700	MPa	EN 61
Elongation at break	2,0	%	EN 61
HDT	60	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	220	MPa	EN 63
E-Module, flexion	7900	MPa	EN 63
Tensile strength	110	MPa	EN 61
E-Module, tension	7800	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. Stirring the product before using is suggested.

Safety

The product is flammable and harmful.

Further information is provided in the relevant safety data sheet.

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