

SIRESTER[®] EC 0993/AT/E

PROVISIONAL DATA SHEET

RP/0993ATE/112011

Description

Unsaturated orthophthalic polyester resin, ecological, diluted in styrene, with low reactivity and high viscosity, thixotropic and preaccelerated.

Applications

SIRESTER EC 0993/AT/E is suitable for general purposes and contains a special additive which appears on the surface reducing drastically the styrene emission. It is suggested to abrade the hardened surface before applying other layers.

Sales specification

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

Typical Properties

Property	Value	Unit	Method
Appearance	Turbid liquid		SIR 10010
Styrene content	46	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	45	minute	SIR 10267
Thixotropic index	> 3,5		
2 rpm	> 3900	mPa s	SIR 10215
20 rpm	< 1100	mPa s	
Exothermic peak	125	°C	SIR 10234
Stability at 65 °C	6	day	SIR 10242

(1) Formulation: 100 g resin + 1,0 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.

Mechanical properties of pure cured resin

Property	Value	Unit	Method
Flexural strength	140	MPa	EN 63
E-Module, flexion	3800	MPa	EN 63
Tensile strength	80	MPa	EN 61
E-Module, tension	3800	MPa	EN 61
Elongation at break	2,5	%	EN 61
HDT	75	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	210	MPa	EN 63
E-Module, flexion	7900	MPa	EN 63
Tensile strength	100	MPa	EN 61
E-Module, tension	8300	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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