

SIRESTER[®] FS 0912

**PRODUCT
DATA SHEET**
RP/0912/092015

Description

Unsaturated orthophthalic polyester resin, diluted in styrene, with medium reactivity and low viscosity.

Applications

SIRESTER FS 0912 is particularly suitable for continuous laminates (flat and corrugated sheets), where high production rate is requested.

Sales specification

Property	Value	Unit	Method
Acid number	< 30	mg KOH/g	SIR 10231
Viscosity at 25 °C	180 – 230	mPa s	SIR 10015

Typical Properties

Property	Value	Unit	Method
Appearance	Clear liquid		SIR 10010
Styrene content	39	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	4	minute	SIR 10482
Gel to peak time	3' 30"	Minute	SIR 10482
Exothermic peak	210	°C	SIR 10482
Stability at 65 °C	6	day	SIR 10242

(1) Formulation: 100 g resin + 0.20 ml Co(Oct) 6% + 1.50 ml AAP

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	45		EN 59
Flexural strength	120	MPa	EN 63
E-Module, flexion	4200	MPa	EN 63
Tensile strength	75	MPa	EN 61
E-Module, tension	3700	MPa	EN 61
Elongation at break	3,0	%	EN 61
HDT	85	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	200	MPa	EN 63
E-Module, flexion	8200	MPa	EN 63
Tensile strength	110	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 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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