

SIRESTER[®] VE 14-M-110/A

PROVISIONAL DATA SHEET

RV/14M110A062018

Description

Epoxy bisphenol-A based vinylester resin, diluted in styrene, preaccelerated with slow reactivity and very low viscosity.

Applications

SIRESTER[®] VE 14M110/A is suitable for the production of GFRP where high chemical resistance towards a wide range of substances is required, specifically for closed moulds applications; suitable in particular for nautical purposes.

Sales specification

Properties	Value	Unit	Method
Acid number	<15	mg KOH/gr	SIR 10231
Viscosity at 25 °C	130 – 180	mPa.s	SIR 10017

Typical Properties

Properties	Value	Unit	Method
Appearance	Clear rose	n. d.	SIR 10010
Styrene content	48	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	60	minutes	SIR 10267
Exothermic Peak	140	°C	SIR 10267
Stability at 65 °C	6	days	SIR 10242

(1) Formulation: 100 g resin + 3,00 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
Barcol hardness	40		EN 59
Flexural strength	120	MPa	EN 63
E-Module, flexion	3500	MPa	EN 63
Tensile strength	80	MPa	EN 61
E-Module, tension	4000	MPa	EN 61
Elongation at break	3,0	%	EN 61
HDT	110	°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	9000	MPa	EN 63
Tensile strength	110	MPa	EN 61
E-Module, tension	9300	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 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 peroxide. Mixing the product before use is strongly suggested.

Safety

The product is flammable and harmful. Further information is provided in the relevant safety data sheet.

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