

SIRESTER[®] FS 4424

**PRODUCT DATA
SHEET**
RP/4424/082017

Description

Orthophthalic polyester based resin, diluted in styrene, with medium reactivity and medium viscosity.

Applications

SIRESTER FS 4424 is a general purpose resin: its formulation makes it suitable in different fields of application and assures high mechanical properties.

Sales specification

Property	Value	Unit	Method
Acid number	≤ 30	mg KOH/g	SIR 10231
Viscosity at 25 °C	600 - 800	mPa.s.	SIR 10017

Typical Properties

Property	Value	Unit	Method
Appearance	Clear liquid		SIR 10010
Colour	< 80	Hazen	SIR 10007
Styrene content	35	%	SIR 10352
Gel time at 25 °C	15	min	SIR 10234
Stability at 65 °C	6	days	SIR 10242

(1) Formulation: 100 g resin + 0,2 ml Co(Oct) 6%+ 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.

Mechanical properties of pure cured resin

Property	Value	Unit	Method
Barcol hardness	50		EN 59
Flexural strength	110	MPa	EN 63
E-Module, flexion	4200	MPa	EN 63
Tensile strength	75	MPa	EN 61
E-Module, tension	3800	MPa	EN 61
Elongation at break	2,0	%	EN 61
HDT	80	°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	9200	MPa	EN 63
Tensile strength	110	MPa	EN 61
E-Module, tension	8900	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 peroxides.

Safety

The product is flammable and harmful.

Further information is provided in the relevant safety data sheet.

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