

SIRESTER[®] FS 9900/AC

PRODUCT DATA SHEET

RP/9900AC/122011

Description

Orthophthalic polyester based resin, diluted in styrene, with low reactivity and medium viscosity, accelerated and UV stabilized.

Applications

SIRESTER FS 9900/AC is particularly suitable for artificial marble, castings and encapsulations, with or without mineral fillers and wherever a reduced heat emission during hardening as well high hardness and good transparency are required.

Sales specification

Property	Value	Unit	Method
Acid number	< 25	mg KOH/gr	SIR 10231
Viscosity at 25 °C	400 - 500	mPa s	SIR 10017

Typical Properties

Property	Value	Unit	Method
Appearance	Clear liquid		SIR 10010
Styrene content	35	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	10	minutes	SIR 10267
Stability at 65 °C	6	days	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	40		EN 59
Flexural strenght	90	MPa	EN 63
Flexural Modulus	4500	MPa	EN 63
Tensile strenght	70	MPa	EN 61
Tensile Modulus	4300	MPa	EN 61
Elongation at break	2.0	%	EN 61
HDT	55	°C	EN ISO 75 A

Use suggestions

SIRESTER FS9900/AC is specifically formulated to assure high transparency in different castings applications. It is suitable for furniture, toilet-seats and precision casting sectors.

Since many parameters can differ in each working condition (temperature, resin amount, filler materials and shapes, etc.), catalytic system must be checked in respect with every single application.

This resin is preaccelerated, thus only peroxide must be added: we suggest the use of medium-activity, in range between 0.6% and 1.0% as w/W ratio (higher values as resin weight decreases). For large articles more than a single casting could be required.

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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