

Description

Unsaturated ortophtalic polyester resin, diluted in styrene, with low reactivity and medium viscosity, pre-accelerated with promoter and amine.

Applications

SIRESTER FS 0956/AM40/E is particularly indicated in the production line through under vacuum technology, injection and RTM. This resin shows a particularly low styrene emission; summer version, suitable for warm season/environment.

Sales specification

Property	Value	Unit	Method
Acid number	< 30	mg KOH/gr	SIR 10231
Viscosity at 25 °C	350 - 450	mPa.s	SIR 10017

Typical properties

Properties	Value	Unit	Method
Appearance	Clear pink liquid		SIR 10010
Styrene content	40	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	43	minutes	SIR 10267
Stability at 65 °C	6	days	SIR 10242

(1) Formulation: 100 g resin + 1.5 ml MEKP 50%

During long storage a slight increase of the gel time can occur: we suggest to adjust the amount of catalyst in order to obtain correct values.

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.

SIRESTER[®] FS 0956/AM40/E

TECHNICAL DATA
SHEET
RP/956AM40E/122011

Mechanical properties of pure cured resin

Property	Value	Unit	Method
Flexural strength	140	MPa	EN 63
E-Module, flexion	4100	MPa	EN 63
Tensile strength	80	MPa	EN 61
E-Module, tension	4000	MPa	EN 61
Elongation at break	3,5	%	EN 61
HDT	75	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	215	MPa	EN 63
E-Module, flexion	8500	MPa	EN 63
Tensile strength	95	MPa	EN 61
E-Module, tension	8400	MPa	EN 61

Supply Form

Product is available in a 225 Kg lined drum, 1000 kg container and 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.

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Further information is provided in the relevant safety data sheet.

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