

# SIRESTER<sup>®</sup> IS 4240/P

## PRODUCT DATA SHEET

RP/4240P/042017

### Description

Unsaturated isophthalic polyester resin, diluted in styrene, with medium reactivity and medium-high viscosity.

### Applications

SIRESTER IS 4240/P is suitable for the production of composite materials, in combination with glassfiber, where good chemical resistance is required, in particular for profiles production.

### Sales specification

Property	Value	Unit	Method
Acid number	< 20	mg KOH/g	SIR 10231
Viscosity at 25 °C	700 - 900	mPa s	SIR 10017

### Typical Properties

Property	Value	Unit	Method
Appearance	Clear liquid		SIR 10010
Styrene content	35	%	SIR 10352
Apha colour	< 200	Apha	SIR 10007
Gel time at 25 °C <sup>(1)</sup>	6	minutes	
Curing time	12	minutes	SIR 10234
Exothermic peak	215	°C	
Stability at 65 °C	6	days	SIR 10242

(1) Formulation: 100 g resin + 0,20 ml Co(Oct) 6% + 1,50 ml MEKP-50.

SIRESTER<sup>®</sup>: 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	50		EN 59
Flexural strength	140	MPa	EN 63
E-Module, flexion	4300	MPa	EN 63
Tensile strength	75	MPa	EN 61
E-Module, tension	3900	MPa	EN 61
Elongation at break	2,0	%	EN 61
HDT	105	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	230	MPa	EN 63
E-Module, flexion	9200	MPa	EN 63
Tensile strength	110	MPa	EN 61
E-Module, tension	8800	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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