

SIRESTER[®] CD 4

PRODUCT DATA SHEET

RP/CD4/062012

Description

Special unsaturated polyester resin, diluted in styrene, with good reactivity and medium viscosity.

Applications

SIRESTER CD4 is a special resin particularly suitable for the production of gel-coats with weathering and yellowing resistance properties higher than isophthalic resin.

Sales specification

Property	Value	Unit	Method
Acid number	< 15	mg KOH/gr	SIR 10231
Viscosity at 25 °C	450 - 550	mPa s	SIR 10017

Typical Properties

Property	Value	Unit	Method
Appearance	Clear liquid		SIR 10010
Apha colour	< 120		SIR 10007
Styrene content	38	%	SIR 10352
Gel time at 25 °C ⁽¹⁾	12	minutes	SIR 10234
SPI	6	minutes	
peak temperature	210	°C	SIR 10232
time to peak	9	minutes	
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	135	MPa	EN 63
E-Module, flexion	3600	MPa	EN 63
Tensile strength	70	MPa	EN 61
E-Module, tension	3100	MPa	EN 61
Elongation at break	3,5	%	EN 61
HDT	100	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	190	MPa	EN 63
E-Module, flexion	7300	MPa	EN 63
Tensile strength	100	MPa	EN 61
E-Module, tension	7100	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 lined steel drums or in stainless steel tankers at 20 °C, away from sources of light and free of iron or 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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