SIRESTER® EC 0800/AT

PRODUCT DATA SHEET
RP/EC0800AT/122011

Description

Unsaturated orthophtalic polyester resin, diluted in styrene, with high reactivity and medium viscosity, thixotropic, ecological and preaccelerated.

Applications

SIRESTER EC 0800/AT is particularly suitable for general purposes, where high mechanical properties are requested; fulfill the requirements of DIN 1140.
This resin contains an additive which appears on the surface drastically reducing the styrene emission. It is suggested to abrade the hardened surface before applying other layers.

Sales specification

Property	Value	Unit	Method
Acid number	≤ 30	mg KOH/g r	SIR 10231

Typical Properties

Property	Value	Unit	Method
Appearance	Turbid liquid		SIR 10010
Styrene content	43	%	SIR 10352
Gel time at 25 °C (1)	27	minutes	SIR 10267
Thixotropic index	> 3,0		SIR 10215
2 rpm	> 2000	mPa s	
20 rpm	< 650	mPa s	
Stability at 65 °C	3	days	SIR 10242

(1) Formulation: 100g resin + 1.5ml 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	55		EN 59
Flexural strength	120	MPa	EN 63
E-Module, flexion	4100	MPa	EN 63
Tensile strength	70	MPa	EN 61
E-Module, tension	3800	MPa	EN 61
Elongation at break	3,5	%	EN 61
HDT	105	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	220	MPa	EN 63
E-Module, flexion	9500	MPa	EN 63
Tensile strength	100	MPa	EN 61
E-Module, tension	9000	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 3 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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