

SIRESTER[®] FS 0910/B

**PRODUCT
DATA SHEET**
RP/0910B/122011

Description

Orthophthalic polyester resin, diluted in styrene, with medium-high reactivity and medium viscosity. The resin is UV stabilized.

Applications

SIRESTER FS 0910/B is particularly suitable for continuous laminates (flat and corrugated sheets), where high production rate is requested.

Sales specification

Property	Value	Unit	Method
Acid number	< 30	mg KOH/g	SIR 10231
Viscosity at 25 °C	450 - 550	mPa s	SIR 10015

Typical Properties

Property	Value	Unit	Method
Appearance	Clear liquid	-	SIR 10010
Gel time at 30 °C ⁽¹⁾	55 - 85	minute	-
Gel time at 20 °C ⁽²⁾	6 - 7	minute	SIR 10234
SPI gel test	3 - 6	minute	
65 - 90 °C	6 - 9	minute	SIR 10323
65 - T max	190 - 210	°C	
Apha colour	< 70	Sc.Pt/Co	SIR 10007
Styrene content	33 - 37	%	SIR 10352
Refractive Index at 20 °C	1.536 - 1.540	-	SIR 10008
Stability at 65 °C	> 6	days	SIR 10242

(1) Formulation: 100 g resin + 6.5g styrene + 0.3 g Co at 0.1% + 0.2 g BYK 555 + 1.7 g MI 60K

(2) Formulation: 100 g resin + 0,1 ml Co 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	45		EN 59
Flexural strength	130	MPa	EN 63
E-Module, flexion	4100	MPa	EN 63
Tensile strength	65	MPa	EN 61
E-Module, tension	3800	MPa	EN 61
Elongation at break	2,0	%	EN 61
HDT	90	°C	EN ISO 75 A

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

Property	Value	Unit	Method
Flexural strength	180	MPa	EN 63
E-Module, flexion	7200	MPa	EN 63
Tensile strength	75	MPa	EN 61
E-Module, tension	7000	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.

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[®]: 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.

