

# BÜFA® -Resin VE 0910

Prod. No. 7000910

## VE-Laminating Resin

### Technical Data Sheet

#### Product description

BÜFA®-Resin VE 0910 is a thixotropic, pre-accelerated vinyl ester urethane resin based on bisphenol A epoxide and dissolved in styrene.

#### Applications

BÜFA®-Resin VE 0910 is particularly suitable for moulded parts, on which exacting demands for hydrolysis stability (water resistance) and chemical resistance are placed, e.g. in vessel and apparatus construction, swimming pool construction, corrosion protection or for sanitary ware. Owing to its excellent chemical resistance, extremely high gelcoat adhesion, low monomer content and its ideal curing characteristics in thin layer thicknesses, it is also ideally suitable as a so-called "first layer resin" for mould construction. The resin was developed for hand-lamination processing.

Laminates based on vinyl ester urethane resins have excellent long-term thermal dimensional stability and high resistance to dynamic loading.

### Specifications / technical data

Property	Test method	Value	Unit
Density at 23 °C	Din 53 217/2	Approx. 1,05	g/ml
Viscosity at 20 °C Brookfield RV/DV-II Spl 3 rpm 20	ISO 2555	1500 - 2000	mPas
Styrene content		33 - 35	%
Flash point	Din 53 213	+32	°C

#### Curing

##### Reactivity:

##### **BÜFA method in accordance with DIN 16 945 6.2.2.1**

(100 g resin + 1.5ml Curox M 303)

20 - 30 °C	17 - 23 min
20 °C – Tmax	34 - 42 min
Tmax	150 - 170 °C

**Gel time at 20 °C in a 100 g beaker  
with 1.5 ml Curox M 303**  
17 - 23 min

**Properties of the cured base resin**

Property*	Test method	Value
<b>Tensile strength</b>	ISO 527-2	75 MPa
<b>Modulus of elasticity in tension</b>	ISO 527-2	3 900 MPa
<b>Elongation at break</b>	ISO 527-2	2.6 %
<b>Heat deflection temperature (HDT)</b>	ISO 75-A	approx. 110 °C

\*Measured in a standard laboratory atmosphere on cast test specimens of pure resin which had been tempered for 24 hours at + 80 °C (for HDT at + 100 °C).

**Storage/Handling**

The product must be kept closed, cool and protected from sunlight. It can be stored in unopened original containers for at least 3 months at a temperature of up to 20 °C. The gel and curing times could change as the storage time increases.

Note: The Information given above is based on our current state of knowledge and experience. In view of the many factors that may influence working conditions and the application of our products, the user is not relieved from carrying out his own tests and experiments. No legally binding warranty of certain properties or suitability for a particular purpose can be derived from this information. It is the responsibility of the receiver or user of our products to observe proprietary rights as well as existing laws and regulations. The latest version of the corresponding EU Safety Data Sheet must also be observed.

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