

BÜFA®-Resin VE 0910

Art.-No. 7000910

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

Profile

Product type	Resin
Pre-accelerated product	Yes
Colour	brown
Odour	characteristic

Application Range

BÜFA®-Resin VE 0910 is particularly suitable for molded parts that have to meet high requirements in terms of hydrolysis resistance (water resistance) and chemical resistance, such as in tank and apparatus construction, swimming pool construction, corrosion protection or sanitary parts. Due to its excellent chemical resistance, very good gelcoat adhesion, low monomer content and ideal curing properties in thin layer thicknesses, it is also very well suited as a so-called "first-layer resin" for mold making. The resin was developed for processing by hand lay-up. Laminates based on vinyl ester urethane resins exhibit both excellent long-term heat resistance and high resistance to dynamic stress.

Specification / Technical Data

Density (BM D01) approx.	0.9 g/mL
Flashpoint (BPV FP 02) approx.	33°C
Styrene content approx.	29.0 %

The BÜFA testing standards define the testing scenario after the values are determined in our facilities. They relate to generally accepted standards and are available under request.

Curing

Orienting reactivity data	BM R01 100 g sample @ 25°C 1,5 Vol% Curox M-303 Gelttime 25-35°C: 25 - 30 min Peaktime 20°C-Tmax: 30 - 45 min Peaktemp.: 125 - 150°C Note: These data are for orientation.
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To optimize the molding material properties, we recommend post-curing (tempering) the component for several hours at 80 °C.

BÜFA®-Resin VE 0910 can be cured with standard methyl ethyl ketone peroxides without worrying about the foaming typical for normal vinyl ester resins.

ATTENTION! The above information refers exclusively to the use of the peroxides mentioned here in the indicated dosage. If other products are used or if the dosage differs, the results may vary.

Processing

The resin should be stirred gently before use.

Before use, the resin should be tempered to temperatures of approx. 18 - 23 °C suitable for processing. Otherwise, both the viscosity and thus the impregnation behavior as well as the curing will be negatively affected.

In order to ensure a perfect bond, further laminating or bonding work must be carried out no later than 1.5 hours after the resin has cured, otherwise sanding with appropriate careful after-treatment (cleaning) of the surface to be bonded is recommended.

Storage and handling

As a result of the wide range of factors which may influence the operating conditions and the application of the product, the user must still carry out their own tests and trials.

The product must be kept closed, cool, dry and protected from sunlight.

In unopened and undamaged original containers, at storage temperatures of up to 20 °C the product can be used for at least 3 months.

The inspection and assurance of the product quality (goods which meet the specifications) take place within the framework of quality control immediately after the product has been manufactured.

The setting and curing times as well as the viscosities may vary with longer storage periods.

Settling of the fillers can be observed with increasing storage time. Homogenization of the container before use is therefore essential.

The above details have been compiled to the best of our knowledge and are based on our current knowledge and experience. These details only constitute product descriptions. Under no circumstances do they constitute guarantees relating to quality or durability. The processor is obliged to carry out their own tests and investigations in order to take responsibility for any processing and application of our products in the processor's application area. The latest version of the corresponding EU safety data sheet must also be observed.