

BÜFA®-Resin VE 0911 RTM

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BÜFA®-Resin VE 0911 RTM is a pre-accelerated resin system with reduced monomer content, based on a bisphenol A epoxy - vinyl ester resin and low profile additive, dissolved in styrene. BÜFA®-Resin VE 0911 has a medium reactivity, a low viscosity and cures almost without shrinkage when used properly.

Profile

Product type	Resin
Procedure	closed
Procedure assignment	RTM - Process, Infusions - Process, RTM-light - Process
Colour	colorless to brownish
Odour	like styrene

Application Range

BÜFA®-Resin VE 0911 RTM is used for the production of RTM components that are exposed to high mechanical and thermal stress. The dimensional stability of the system makes BÜFA®- Resin VE 0911 an ideal resin for components with the highest surface quality requirements. Composite components based on BÜFA®- Resin VE 0911 RTM show excellent long-term heat resistance.

Specification / Technical Data

Density (BM D01) approx.	1.1 g/mL
Flashpoint (BPV FP 02) approx.	31°C
Styrene content approx.	37.0 %
Orienting viscosity data	BM V01 Viskosity at 25°C with spindel 3 und 100 rpm: 650 mPas

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 @ 20°C 2,0 Vol% Curox M-303 Gelttime 20-30°C: 30 - 40 min Peakttime 20°C-Tmax: 45 - 55 min Peaktemp.: 175 - 195°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.

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.

The resin was developed for processing in closed processes such as RTM, RTM-light as well as the vacuum infusion process. The resin must be stirred before processing. To achieve the best mechanical properties, we recommend annealing/post-curing of the components.

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

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.