

BÜFA®-VP-44-040209-01

Foam Resin

Prod. No. 791-8886

Product description BÜFA® VP-44-040209-02 is a thixotropic, unsaturated polyester resin that can be blown with special blowing agents. As a base resin, BÜFA® VP-44-040209-02 corresponds to type 1140 according to the requirements of DIN 16 946/2.

Applications BÜFA® VP-44-040209-02 was especially developed for glass fibre reinforced applications in vehicle construction for working in casting and liquid resin press moulding processes. As an expandable resin system it can be used whenever mechanical loads are normal and weight reduction is required.

Specifications / technical data	Property	Test method	Value	Unit
	Density at 20 °C	DIN 53 217/2	approx. 1,1	g/ml
	Viscosity at 20 °C Brookfield RV/DV-II Spl 3 rpm 20	ISO 2555	2 200 - 2 600	mPas
	Styrene content		33 - 37	%
	Flash point	DIN 53 213	+ 32	°C
	HDT	ISO 75 A	> 80	°C

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g resin + 1.25 g UP 940 + 3 g Butanox M-50)

20 - 30 °C	17 - 20 min
20 °C - Tmax	23 - 27 min
Tmax	165 - 195 °C

**Gel time at 20 °C in a 100 g cup
with 1.25 g UP 940 + 3 g Butanox M-50:** 17 - 20 min

Attention!

The information given above refers exclusively to the use of the catalyst named and the quantity specified. The use of different products or differing quantities may yield different results.

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Directions for use

Since the product has a tendency to settle (phase separation), it should be stirred at low speed for at least 10 minutes and homogenised before using. The blowing agent UP 940 is then added and mixed for 1 minute. The peroxide is added immediately afterward and mixed for 1 minute. When UP 940 is used, only the quantity of resin needed for the immediate production cycle should be produced – no daily batches! Only fresh UP 940 should be used. Do not use material that is older than 6 months! Metal mixing containers should never be used since they influence reactivity. The reaction time is directly dependent upon the working temperature. During work, a temperature range of 18 - 25 °C must be maintained.

Attention!

This material is an experimental product the composition and specifications of which may change at any time without prior notice. If you have any questions in this conjunction, please get in touch with our Technical Service Department.

Note:

This product must be stored cool in closed containers, protected from sunlight. Shelf-life is at least 2 months in unopened, original containers stored up to a temperature of 20 °C. Gel and curing times may change with increasing duration of storage.

Storage/Handling

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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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