

BÜFA®-Resin UP 7312 MC Foaming

Standard Foam Resin

Prod. No. 7007312

Product description BÜFA®-Resin UP 7312 MC Foaming is a thixotropic, unsaturated polyester resin that can be foamed with special propellants. As a base resin, BÜFA® Resin UP 7312 MC Foaming corresponds to the requirements set out in DIN 16 946/2, type 1140.

Applications BÜFA®-Resin UP 7312 MC Foaming was especially developed for glass fibre reinforced applications when constructing vehicles in casting or liquid resin press moulding processes. As a foamable resin system, it can conceivably be used wherever a weight reduction is needed for components subjected to normal mechanical loads.

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	1 000 - 2 000	mPas
	Styrene content		33 - 37	%
	HDT	ISO 75 A	> 80	°C
	Flash point	EN ISO 3679:2014 Verfahren B	29	°C

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g resin + 1.25 g BÜFA Accelerator Foaming Agent + 3 g Curox M303)

20 - 30 °C	10 - 14 min
20 °C - Tmax	14 - 24 min
Tmax	165 - 195 °C

**Gel time at 20 °C in a 100 g cup with
 1.25 g BÜFA Accelerator Foaming Agent
 + 3 g Curox M303:**

10 - 14 min

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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.

Directions for use

This product should be stirred before using. Afterward, add 1.25 percent by weight BÜFA®-Accelerator Foaming Agent (propellant) and stir for 1 minute. Immediately before processing, add the peroxide and stir for 1 minute. When using BÜFA®-Accelerator Foaming Agent, mix only with the quantity of resin required for the production process immediately at hand – do not mix batches for daily requirements! Always use fresh BÜFA®-Accelerator Foaming Agent. Accelerator older than 6 months should not be used! Never use metallic containers for mixing since these influence reactivity. Reaction time is immediately dependent on the processing temperature. The temperature must range between 18 - 25 °C when working.

Storage/Handling

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.

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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