

BÜFA®-Resin UP 7325 MC Foaming

Standard Foam Resin

Prod. No. 7007325

Product description BÜFA®-Resin UP 7325 MC Foaming is a thixotropic, unsaturated polyester resin that can be foamed with special blowing agents. As a base resin, BÜFA®-Resin UP 7325 MC Foaming corresponds to the requirements set out in DIN 16 946/2, type 1140.

Applications BÜFA®-Resin UP 7325 MC Foaming was especially developed for glass fibre reinforced applications in vehicle construction using vacuum expansion processes (VEX). As a foamable resin system, it can conceivably be used wherever a weight reduction is needed for components subjected to normal mechanical loads. This product has a working time of approx. 25 - 30 minutes.

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	1 500 - 2000	mPas
	Flow viscosity at 20 °C in an ISO cup Ø 6 mm	EN ISO 2431	100 - 200	s
	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	27 - 32 min
20 °C - Tmax	32 - 40 min
Tmax	165 - 195 °C

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

Stir the product before using. Afterwards, add 1.25 % by weight BÜFA®-Accelerator Foaming Agent and stir for 1 minute. Immediately before processing, add the peroxide and stir for 1 minute. Resin to which BÜFA®-Accelerator Foaming Agent has been added should be used within 4 hours. After this time, the performance of the blowing agent may decline. Always use fresh BÜFA®-Accelerator Foaming Agent; blowing agent older than 6 months should not be used! Never use metallic containers for mixing since metal reduces pot-life. Reaction time is immediately dependent on the processing temperature which should range between 18 - 23 °C when working. Temperatures above 25 °C reduce working time by more than half.

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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