

BÜFA® -Gelcoat-NPG-M400-H-A-BF-90080-white

Art.-No. x299101

Status: 2/13/2023

BÜFA®-Gelcoat-NPG-M400 Gelcoats are pre-accelerated gelcoats made of unsaturated polyester resin. They are based on an unsaturated ISO/NPG polyester resin dissolved in styrene. They are characterized by:

- very good weathering properties
- reduced styrene content
- easier processing

Profile

Product family	BÜFA® -Gelcoat-NPG-M400
Product type	Gelcoat
Processing method	Hand quality
Pre-accelerated product	Yes
Resin base	Isophthalic acid - neopentyl glycol (IP-NPG)
Colour	white
BF-Number	BF-90080
Odour	like styrene

Application Range

BÜFA®-Gelcoat-NPG-M400 Gelcoats are used for the production of high quality components (e.g. in the marine and commercial vehicle sector).

Specification / Technical Data

Density (BM D01) approx.	1,29 g/mL
Flashpoint (BPV FP 02) approx.	30,5°C
Styrene content approx.	28,50 %
Viscosity (BM V01) Viscosity at 20°C with spindle 4 and 2 rpm	40,000 - 55,000 mPas

Viscosity (BM V01) Viscosity at 20°C with spindle 4 and 20 rpm	6,000 - 10,000 mPas
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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

Reactivity	BM R01
Peroxide addition	Curox M-303 2,0 vol%
Geltime (Reactivity 20-30°C)	8 - 18 min
T-Max (Reactivity Tmax at 20°C)	140 - 190 °C

ATTENTION! The above data refer exclusively to the use of the reactants mentioned here in the specified dosage. When using other products and also with deviating dosage, the results may be different.

2xx- Batch production

The inspection and verification of the product quality (according to specification) is carried out within the framework of quality control directly after the production of the batch product.

3xx- InPlant- and 4xx- Tinting production

The base products used in the colouring process were inspected within the framework of quality control with regard to their product quality (according to specification).

The pigmented Gelcoats produced in the tinting process are not subjected to any further inspection.

BÜFA®-Gelcoat-NPG-M400-H-A-BF-90080-I-white can be cured with the commercially available ketone peroxides.

In order to optimise the moulding material properties, we recommend post-curing (tempering) the component for several hours at 80 °C. This achieves the optimal gelcoat properties.

Other information

The gelcoat should be stirred gently before processing.

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 stored closed, in a cool, dry place and protected from sunlight.

In unopened, original containers, the product can be processed for at least 3 months if properly stored at up to 20 °C.

Higher temperatures reduce storage life.

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.