

BÜFA® NPG Gelcoat SV/PWA pure white

ISO/NPG Gelcoat, spraying quality

Prod. No. 722-7777

Product description BÜFA®-NPG Gelcoat SV/PWA pure white is a pre-accelerated gelcoat in a spraying consistence based on an unsaturated ISO/NPG polyester resin dissolved in styrene.

Applications BÜFA®-NPG Gelcoat SV/PWA pure white is suitable for moulded parts that are subjected to high chemical, thermal or hydrolytic loads. Because of its positive listed ingredients, the product can be used to obtain an approval for drinking water according to the German KTW Guideline and DVGW Work Sheet W 270 [German Technical and Scientific Ass. for Gas and Water]. Information on certified test institutes can be obtained from our Technical Service Department.

| Specifications / technical data | Property | Test method | Value | Unit |
|---------------------------------|---|--------------|----------------|------|
| | Density at 20 °C | DIN 53 217/2 | approx. 1,11 | g/ml |
| | Viscosity at 20°C Brookfield RV/DV-II Spl 4 rpm 4 | ISO 2555 | 8 000 - 16 000 | mPas |
| | Styrene content | | 33 - 36 | % |
| | Flash point | DIN 53 213 | + 34 | °C |

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g gelcoat + 2.0 ml Butanox M-50)

| | |
|--------------|--------------|
| 20 - 30 °C | 18 - 28 min |
| 20 °C - Tmax | 50 - 64 min |
| Tmax | 120 - 160 °C |

Gel time at 20 °C in a 100 g cup with 2.0 ml Butanox M-50: 18 - 28 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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| Properties of the cured base resin | <u>Property*</u> | <u>Test method</u> | <u>Value</u> |
|---|--|---------------------------|---------------------|
| | Tensile strength | ISO 527-2 | 80 - 90 MPa |
| | Tensile E-modulus | ISO 527-2 | 3,400 - 4,000 MPa |
| | Elongation at break | ISO 527-2 | 3.5 - 4.5 % |
| | Heat distortion temperature (HDT) | ISO 75-A | approx. 94 °C |

* Measured in a standard laboratory atmosphere on cast test specimens made of pure resin conditioned for 8 hours at +80 °C.

Directions for use

Our release agent system BF 500 /BF 700 has been tested and successfully used with this gelcoat. Before using other release agents, they should be tested for suitability under practical conditions. If circumstances permit, we recommend post-curing the moulded part for several hours at + 80 °C to achieve optimal gelcoat properties. For more information on working and curing, see the notes in our Technical Information leaflet, "Working with OLDOPAL Gelcoats".

Storage/Handling

This product must be stored cool in closed containers, protected from sunlight. Shelf-life is at least 3 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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