

## BÜFA®-NPG-Gelcoat-S

ISO/NPG Spray Gelcoat

Prod. No. 7789999

**Product description** BÜFA®-NPG-Gelcoat-S is a pre-accelerated gelcoat in a spraying consistency. It is based on an unsaturated ISO/NPG polyester resin dissolved in styrene.

**Applications** BÜFA®-NPG-Gelcoat-S is suitable for mouldings which are subjected to high chemical, thermal and hydrolytic loads (e. g. chemical containers or containers for liquids which are stored at elevated temperatures, corrosion protection coatings, sanitary ware, etc.).

Specifications / technical data	Property	Test method	Value	Unit
	Density at 20 °C	DIN 53 217/2	approx. 1.1 - 1.3	g/ml
	Viscosity at 20 °C Brookfield RV/DV-II spl 4 rpm 4	ISO 2555	11,000 - 16,000	mPas
	Styrene content		33 - 36	%
	Flash point	EN ISO 3679:2014 Verfahren B	32,5	°C

**Curing** **Reactivity:**  
**BÜFA method in accordance with DIN 16 945 6.2.2.1**  
(100 g gelcoat + 1.5 g Butanox M-50)

20 - 30 °C	10 - 18 min
20 °C - Tmax	18 - 28 min
Tmax	150 - 180 °C

**Gel time at 20 °C in a 100 g cup with 1.5 g Butanox M-50:** 10 - 18 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. Density depends on pigmentation.

# BÜFA®-NPG-Gelcoat-S

ISO/NPG Spray Gelcoat

Prod. No. 7789999

## Colouring

BÜFA®-NPG-Gelcoat-S can be supplied in various RAL colours and in a number of other shades. It is also available as an unpigmented base gelcoat under prod. no. 778-0001 with higher viscosity and reactivity. Colour matching is also possible if there is sufficient order volume.

## Properties of the cured base resin

<u>Property*</u>	<u>Test method</u>	<u>Value</u>
<b>Tensile strength</b>	ISO 527-2	80 - 90 MPa
<b>Tensile E-modulus</b>	ISO 527-2	3,400 - 4,000 MPa
<b>Elongation at break</b>	ISO 527-2	3.5 - 4.5 %
<b>Heat distortion temperature (HDT)</b>	ISO 75-A	approx. + 94 °C

\* Measured in a standard laboratory atmosphere on cast test specimens made of pure resin that were 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 so that optimal gelcoat properties are achieved. For more information on working and curing, see the notes in our Technical Information leaflet, "Working with BÜFA®-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.

# BÜFA®-NPG-Gelcoat-S

ISO/NPG Spray Gelcoat

Prod. No. 7789999

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.

BÜFA Composite Systems GmbH & Co. KG  
Hohe Looge 2-8  
26180 Rastede  
GERMANY  
Phone +49 4402 975-0  
Fax +49 4402 975-300  
compositesystems@buefa.de  
www.buefa.de  
www.buefacompositesystems.com

A member of the BÜFA-Group