BÜFA®-Tooling-Conductive-Gelcoat-S-A-BF-60626-green

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BÜFA®-Tooling-Conductive-Gelcoat-S-A-BF-60626-I-green is a sprayable, pre-accelerated tooling gelcoat with conductive properties. The resin base is a vinyl ester urethane resin based on bisphenol A dissolved in styrene.

Profile

Product type	Gelcoat
Processing method	Spray quality
Pre-accelerated product	Yes
Resin base	Vinyl ester - urethane (VEU)
Production method	2xx- > Batch - Manufacturing 3xx- > InPlant - Manufacturing 4xx- > Tinting - Manufacturing
Colour	green
BF-Number	BF-60626
Odour	like styrene

Application Range

BÜFA®-Tooling-Conductive-Gelcoat-S-A-BF-60626-I-green was specially developed for the production of GRP molds. The product is particularly suitable for the production of molds that are exposed to high chemical and thermal stress. With a surface resistance of 10^6 Ω, the gelcoat is also set to be conductive. With appropriate grounding, electrostatic charging of the component can be counteracted.

Specification / Technical Data

Density (BM D01) approx.	1,1 g/mL

Flashpoint (BPV FP 02) approx.	33,5°C
Styrene content approx.	45,60 %

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

The specification data for reactivity and viscosity relate to the pre-product used.

Peroxide addition	Curox M-303 2,0 vol%

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®-Tooling-Conductive-Gelcoat-S-A-BF-60626-I-green can be cured with standard methyl ethyl ketone peroxides whithout worrying about the foaming typical for normal vinyl ester resins.

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.