

BÜFA® -Standard-Gelcoat-H light grey BF-07035

Art.-No. 7657935

Status: 2/8/2024

BÜFA®-Standard Gelcoats are based on an unsaturated polyester resin modified with isophthalic acid. They are characterised by their outstanding working properties and low styrene content.

Profile

Product family	STANDARD
Product type	Gelcoat
Processing method	Hand quality
Pre-accelerated product	Yes
Resin base	Orthophthalic acid / isophthalic acid (OP / IP)
Production method	Batch manufacturing
Colour	grey
BF-Number	BF-07035
Odour	like styrene

Application Range

BÜFA®-Standard Gelcoats are suitable for moulded parts that are exposed to normal stress. They can be used for both indoor and outdoor applications.

Specification / Technical Data

Density (BM D01) approx.	1.2 g/mL
Flashpoint (BPV FP 02) approx.	34°C
Styrene content approx.	29.6 %
Viscosity (BM V01)	30,000 - 38,000 mPas

Viscosity at 20°C with spindle 4 and 4 rpm

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
Sample size	100g sample
Peroxide addition	2.0 vol % Butanox M-50
Geltime (Reactivity 20-30°C)	15 - 20 min
Curing time (Reactivity 20°C-Tmax)	25 - 35 min
T-Max (Reactivity Tmax at 20°C)	150 - 180 °C

ATTENTION! The above information refers exclusively to the use of the peroxides mentioned here in the indicated dosage. If other products are used or if the dosage differs, the results may vary.

BÜFA®-Standard-Gelcoat-H light grey BF-07035 can be cured with commercially available ketone peroxides.

The inspection and assurance of the product quality (goods which meet the specifications) take place within the framework of quality control immediately after the product has been manufactured.

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.

Processing

The gelcoat should be stirred gently before processing.

For processing and curing, the instructions in our "Working with BÜFA®-Gelcoats" technical information leaflet must also be observed.

So far, the BÜFA release agent system BF 500 / BF 700 has been tested and used successfully for this gelcoat.

Other release agents should first be tested for their usability under practical conditions.

Optimal results are achieved by following the instructions below: The wet film thickness of the product in liquid state should ideally range between 600 - 800 µm and should not be less than 600 µm when wet.

In order to guarantee a perfect bond, the laminating work must be carried out after no more than 8 hours. If the gelcoat is applied after a waiting time >8 h, the user bears full responsibility and should test this in advance.

This gelcoat can only be processed manually as a result of the product composition.

Colouring

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.

Higher temperatures reduce storage life.

The setting and curing times as well as the viscosities may vary with longer storage periods.

In unopened and undamaged original containers, at storage temperatures of up to 20°C the product can be used for at least 3 months.

Technical Data Sheet //

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.