

|          |                                |
|----------|--------------------------------|
| Basis    | <b>Laminating System</b>       |
| Resin    | <b>ebacryl O-1</b>             |
| Hardener | <b>ebacryl SP-1 (Emulsion)</b> |
| Colour   | white                          |

## Applications

- gel coat for hand laminating
- Negatives
- Jigs
- Scenery for theater
- Supporting shells for heat treatment
- Supporting for laser cutting
- supporting shells
- Negative shells of clay models

## Properties

- free of shrinkage
- low thermal expansion
- low exothermic character
- tools can be washed with water
- no health and safety problems

## Processing data

| Product               |                     | Mixture<br>ebacryl O / SP-1 | Resin<br>ebacryl O-1 | Hardener<br>ebacryl SP-1 (Emulsion) |
|-----------------------|---------------------|-----------------------------|----------------------|-------------------------------------|
| Colour                |                     | white                       | white                | milky filmy                         |
| <b>Mixing ratio</b>   | <b>p. b. w.</b>     |                             | <b>2,5</b>           | <b>1</b>                            |
| Viscosity at 25°C     | mPas                | -                           | -                    | -                                   |
| Density at 20°C       | g / cm <sup>3</sup> | 1,9 ± 0,2                   | 2,0 ± 0,3            | -                                   |
| Pot life 200 g / 20°C | min.                | 12 - 18                     | -                    | -                                   |
| Curing time at RT     | hrs.                | ca. 8                       | -                    | -                                   |

## Physical data

| Properties                      | Inspect. requirem. | Unit                             | Value  |
|---------------------------------|--------------------|----------------------------------|--------|
| Flexural strength               | EN ISO 178         | MPa                              | -      |
| Flexural modulus                | EN ISO 178         | MPa                              | -      |
| Flexural strength at breakage   | EN ISO 178         | %                                | -      |
| Flexural strength at breakage   | ISO 37             | %                                | -      |
| Compressive strength            | EN ISO 604         | MPa                              | -      |
| Impact resistance (Charpy)      | EN ISO 179         | kJ/m <sup>2</sup>                | -      |
| Heat resistance (Martens)       | DIN 53458          | °C                               | -      |
| Shore hardness                  | DIN 53505          | Shore D                          | -      |
| Shore hardness                  | DIN 53505          | Shore A                          | -      |
| Coefficient of linear expansion | DIN 53752          | 10 <sup>-6</sup> K <sup>-1</sup> | ca. 11 |

## Sales units (packages)

## Storing

Storage at room temperature 10 - 25 °C.

Already opened containers should be closed immediately after use and should be used as soon as possible.

Information about the expiration date you find on the sales packages.

## Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices !

## Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

In case of further questions please do not hesitate to contact our Department for Product Safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.

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