

ottobock.

616B60 Resin film

For extra precision

Quality for life



616B60 Resin film

Benefits at a glance

- Lighter, thinner components with stiffness equal to that of components on acrylic resin basis
- On epoxy resin basis
- Clean and easy processing
- Excellent draping characteristics
- Resin quantity can be applied precisely
- Adjustable resin content
- Cut pieces of resin film can be stored in a conventional freezer
- Smaller storage volumes in freezer compared to prepreg
- Saves auxiliary materials (e.g. no additional fixing of reinforcing materials required)
- Can be combined with Ottobock reinforcement materials and preregs



The 616B60 resin film was developed especially to support the production of exceptionally highly stable and light-weight prostheses and orthoses using lamination technology.

This clean processing method for producing components simplifies the lamination process and increases the efficiency of the workflow. The required component characteristics are guaranteed thanks to a resin content that is precise and adjustable.

Only a vacuum oven and a vacuum pump are required to use the resin film, in addition to a freezer/refrigerator. Common reinforcement materials can still be used; however, additional fixation of the material is not required.

Practical recommendation:

- The optimal processing temperature is between 20 °C/68 °F and 23 °C/73 °F.
- Make sure the processing area is dry and free of dust, talcum and grease.
- The resin content of the laminate should be at least 50% by weight. For this reason, please pay attention to the weight per unit area of your reinforcement material.
- We recommend using the 633T18 Cooling spray to make it easier to remove the protective film from the resin film. Spray the edge of the protective film lightly for this purpose.
- For the first layer, apply spray adhesive to the laminating tool.
- Cure for 4 h under vacuum in a 130 °C/266 °F oven.

i For further information on the safety instructions, please see the corresponding Ottobock safety data sheet.

Article number	616B60=2	616B60=5	616B60=10
Packaging format	23 sheets at 300x300mm per sheet	56 sheets at 300x300mm per sheet	112 sheets at 300x300mm per sheet
Area	2m ²	5m ²	10m ²
Weight per unit area	340 g/m ²	340 g/m ²	340 g/m ²

Shipping information:

Shipping days: Monday, Tuesday, Wednesday

Storage information:

- When stored at a temperature of -18 °C/-0 °F, the resin film can be processed for approximately 12 months; at room temperature, a maximum of 21 days.
- Freeze in moisture-proof sealed packaging; in order to avoid condensation, thaw to room temperature in moisture-proof sealed packaging.
- Each thawing and freezing cycle reduces the storage stability and degrades the quality significantly.