

CUSTOM SILICONE – MYOELECTRIC PROSTHESES

Clients with an upper limb amputation can benefit from a Custom Silicone Myoelectric Prosthesis. Myoelectric users can gain comfort, suspension and an increased streamlined prosthesis using Custom Silicone.

There are three main styles for incorporating silicone to a myoelectric prosthesis:

1) Silicone Myoelectric Prosthesis

This device will be fabricated entirely using silicone which will house all the components required for a myoelectric device. Electrodes will be embedded directly into the silicone and channels will run from the electrodes to the switch block. Space will be created to accommodate other componentry including batteries and a charge port. A wrist unit will be anchored and embedded into the silicone. This low profile style provides flexibility, comfort and a softer feel to the user.

2) Hybrid (Silicone and Lamination) Myoelectric Prosthesis

Laminated struts are embedded into the silicone so the device maintains flexibility and control as well as provides extra support and comfort for the active user. Depending on the choice of componentry, the prosthesis may have one or two laminated frames.

3) Roll-on Silicone Liner

The Liner with cut-outs for electrodes will act as an interface between the residuum and the inner socket.

It is best to consult with our Custom Silicone team to determine which style your client can benefit from.

To ensure the desired outcome is achieved, a trial device is recommended. A trial liner will be fabricated over the modified cast to demonstrate the flexibility and feel of the prosthesis. Electrodes and build-ups will be created where necessary. The build ups are made from Pastasil (85H11) which represent the battery and charge port placements along with any other componentry incorporated in the device. If the style of device requires lamination, an initial lamination will be made.

One year warranty on manufacturing defects (only when using all Otto Bock components)

CUSTOM SILICONE CHECKLIST – MYOELECTRIC PROSTHESES

— For Clinical Use Only —

PLEASE MAKE SURE TO INCLUDE THE FOLLOWING:

Cast of affected side

Please mark the following on the cast:

- Client Name/ID
- Left or Right
- Trim Lines
- Outline of the laminated frame (for hybrid style prosthesis)
- Electrode sites
- Include your measurement form

Completed order form on page 23

It is crucial to know what components will be used for the device **PRIOR** to starting the process. To ensure all components are accounted for, please fill out the order form on page 23.

If you already have the electrodes and electrode cables, please send them along with the negative or positive mould so that we can incorporate them in the trial device.

