

Otto Bock®

QUALITY FOR LIFE



ThermoLyn® PETG clear 616T183

The new copolyester from Otto Bock

ThermoLyn® PETG clear is a fracture-proof and super transparent copolyester. Thanks to its extremely shock-resistant design and excellent thermoforming properties, the material is ideal for a wide range of orthopedic technology applications.

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ThermoLyn® PETG clear 616T183

Excellent socket adhesion for increased safety

Advantages at a glance

- Extremely shock-resistant
- Excellent vacuum-forming characteristics
- Unique benefit for prosthetics: More safety due to outstanding socket adhesion

Function and Effects

616T183 ThermoLyn® PETG clear is used as a first layer in definitive sockets (e.g., for Harmony® fittings).

The Harmony® System is an active volume management system for transtibial prostheses. It effectively reduces the air between socket and liner, a process in which a pump and a one-way valve create a vacuum. With every step, the system is activated and maintains the required vacuum within a defined range. For this reason, it is necessary to maintain an airtight connection between the socket and the residual limb of the prosthesis wearer, or the liner. ThermoLyn® PETG clear contributes to this seal, resulting in increased adhesion in the socket.

Since the material is flush with the upper socket brim, the friction between the socket and the residual limb of the prosthesis wearer is reduced, the placing less stress on the liner.

Processing

The material provides the same superior processing properties as the 616T83 ThermoLyn clear.

The working temperature is 160 °C / 320 °F (infrared oven) or 170 °C / 338 °F (convection oven). For residual limbs up to 20 cm long, we recommend material 3 mm thick; for residual limbs longer than 20 cm, we recommend material 5 mm thick.

For practical processing instructions please refer to our Technical Information booklet:



646T4=1.0GB Technical Information ThermoLyn® PETG clear



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