

ThermoLyn

for flexible diagnosis and definitive sockets



Quality for life





Areas of application of the variants ThermoLyn for flexible diagnosis and definitive sockets

Article name	ThermoLyn soft	ThermoLyn supra soft	ThermoLyn supra soft plus Silicone	ThermoLyn supra flexible
Article number	616T53=*, 616T253=*, 616T69=*, 616T269=*, 616T690=*	616T59=*	616T111=*	616T112=* / 616T113=*
Chemical composition	EVA, PE-C (616T690)	EVA	EVA with silicone dispersion	EVA
Characteristics	<ul style="list-style-type: none"> • Wearer comfort ●○○○ • Friction ●○○○ • Form stability ●●○○ • Permanent elasticity ●○○○ 	<ul style="list-style-type: none"> • Wearer comfort ●●○○ • Friction ●●○○ • Form stability ●○○○ • Permanent elasticity ●●○○ 	<ul style="list-style-type: none"> • Wearer comfort ●●●○ • Friction ●●○○ • Form stability ●○○○ • Permanent elasticity ●●○○ 	<ul style="list-style-type: none"> • Wearer comfort ●●●● • Friction ●●●○ • Form stability ●○○○ • Permanent elasticity ●●●○
Areas of Application	<ul style="list-style-type: none"> • Definitive sockets for upper and lower limbs 	<ul style="list-style-type: none"> • Definitive sockets for upper and lower limbs 	<ul style="list-style-type: none"> • Definitive sockets for upper and lower limbs 	<ul style="list-style-type: none"> • Diagnosis sockets for upper and lower limbs • Definitive sockets for upper and lower limbs • Definitive sockets for hip disarticulations • Flaps and fasteners in prosthetics • Wrist orthoses • Orthosis strap and fasteners

Key:

●○○○ Recommended → ●●●● Excellent

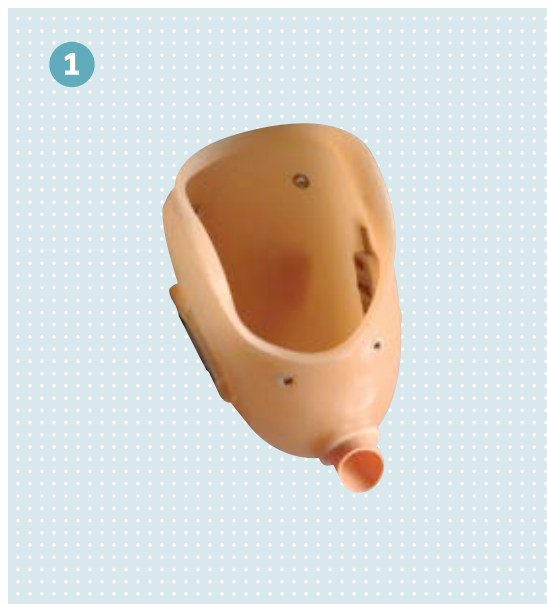
ThermoLyn soft, skin coloured 616T69

Possible areas of application:

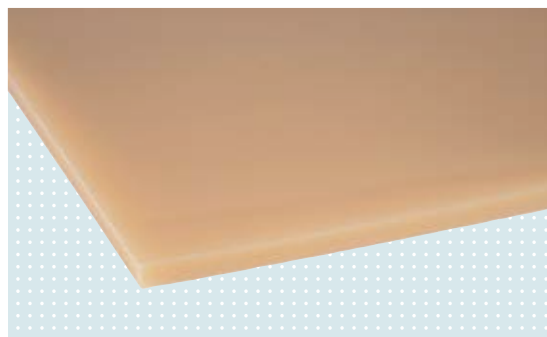
- 1 Suitable for fabricating flexible inner prosthetic sockets, especially in upper limb prosthetics

Product information:

- Also available with antibacterial features (616T269)!
- Suitable for fabricating flexible prosthetic sockets, especially in upper limb prosthetics
- High flexibility in the area of the socket edges
- High surface quality
- Can be subsequently thermoformed
- Minor shrinkage: approx. 3%
- Comfortable to wear
- Washable
- Temperature recommendation: 160 °C / 320 °F (convection oven, infrared oven)



Article number	616T69=6	616T69=8	616T69=10	616T69=12
Length	400 mm	400 mm	400 mm	400 mm
Width	400 mm	400 mm	400 mm	400 mm
Thickness	6 mm	8 mm	10 mm	12 mm
Colour	skin coloured	skin coloured	skin coloured	skin coloured



Practical recommendation

We recommend using the 503F3 truss head screw with Allen head in combination with the 29C3 or 29C5 setting nut.

633D5 double sided adhesive tape can be used to fasten the flexible definitive inner socket within the container socket.

ThermoLyn soft, black

616T690

Possible areas of application:

- 1 Suitable for fabricating flexible inner prosthetic sockets in lower limb prosthetics

Product information:

- Sheet size of 1225x1225 mm is particularly well suited for the fabrication of HD sockets
- High flexibility
- Low density for especially low weight
- High tensile strength
- Odour-neutral
- High surface quality
- Can be subsequently thermoformed
- Comfortable to wear
- Washable
- Temperature recommendation: 130 °C / 266 °F (convection oven, infrared oven)



Article number	616T690=400x8	616T690=400x10
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	8 mm	10 mm
Colour	black	black

Article number	616T690=400x12	616T690=400x15
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	12 mm	15 mm
Colour	black	black

Article number	616T690=1225x8	616T690=1225x10
Length	1225 mm	1225 mm
Width	1225 mm	1225 mm
Thickness	8 mm	10 mm
Colour	black	black

Article number	616T690=1225x12	616T690=1225x15
Length	1225 mm	1225 mm
Width	1225 mm	1225 mm
Thickness	12 mm	15 mm
Colour	black	black

ThermoLyn soft, clear 616T53

Possible areas of application:

- 1 Suitable for fabricating flexible inner prosthetic sockets, especially in lower limb prosthetics

Product information:

- Also available with antibacterial features (616T253)!
- High flexibility
- High surface quality
- Can be subsequently thermoformed
- Minor shrinkage: approx. 3%
- Comfortable to wear
- Washable
- Temperature recommendation: 160 °C / 320 °F (convection oven, infrared oven)



Article number	616T53=8	616T53=10	616T53=12	616T53=15
Length	400 mm	400 mm	400 mm	400 mm
Width	400 mm	400 mm	400 mm	400 mm
Thickness	8 mm	10 mm	12 mm	15 mm
Colour	clear	clear	clear	clear



Practical recommendation

633D5 double sided adhesive tape can be used to fasten the flexible definitive inner socket within the container socket.

ThermoLyn supra soft 616T59

Possible areas of application:

- 1 Natural-coloured definitive socket for transradial amputations
- 2 Natural-coloured definitive socket for transfemoral amputations

Product information:

- EVA
- Very high flexibility
- Facilitates the fabrication of more comfortable socket edges
- High surface quality
- Comfortable to wear
- Washable
- Temperature recommendation: 155 °C (311 °F)
(convection oven, infrared oven)

Article number	616T59=10	616T59=12	616T59=15
Length	400 mm	400 mm	400 mm
Width	400 mm	400 mm	400 mm
Thickness	10 mm	12 mm	15 mm
Colour	clear	clear	clear



Practical recommendation

633D5 double sided adhesive tape can be used to fasten the flexible definitive inner socket within the container socket.



ThermoLyn supra soft plus Silicone 616T111

Possible areas of application:

- ① White definitive socket for transhumeral amputations
- ② White definitive socket for transfemoral amputations

Product information:

- EVA with silicone dispersion
- Very high flexibility
- Facilitates the fabrication of more comfortable socket edges
- High surface quality
- Comfortable to wear
- Easy to sand
- Washable
- Temperature recommendation: 150 °C (302 °F)
(convection oven, infrared oven)

Article number	616T111=9	616T111=12	616T111=800x800x12
Length	400 mm	400 mm	800 mm
Width	400 mm	400 mm	800 mm
Thickness	9 mm	12 mm	12 mm
Colour	clear	clear	clear



ThermoLyn supra flexible 616T112 / 616T113

Possible areas of application:

- 1 For the verification of proper fit where custom liners are provided, e.g. transparent TT diagnosis socket
- 2 For the verification of proper fit and as flexible residual limb check socket, e.g. transparent KD diagnosis socket with integrated cushion (for the integrated cushion we recommend, for example, Evazote in 4mm)
- 3 As flexible residual limb socket, e.g. golden TT definitive socket
- 4 As flexible residual limb socket, e.g. light blue TR definitive socket
- 5 As a flexible socket window in the proximal section, e.g. neon green KAFO inner socket with integrated flap and fasteners (we recommend a belt to ensure dimensional stability)
- 6 As a flexible inner socket, e.g. Black HD definitive socket with integrated flap (flaps can be manufactured to overlap)

Product information:

- EVA
- Permanently elastic
- More comfortable socket edge design
- Comfortable to wear
- Large choice of colours
- Washable
- Subsequent welding possible
- Can be bonded to itself when heated
- Temperature recommendation: 100–130 °C (212–266 °F) (hotplate), 80–100 °C (176–212 °F) (infrared oven), 100–120 °C (212–248 °F) (convection oven)

Processing information:

- Plaster model: smooth, dry, porous (87G2)
- Short transport distances from oven to model
- Do not use talcum powder
- Use clean and smooth Teflon foil as underlay when heating in oven
- When lamination discs, reinforcement strips etc. are welded to the model subsequently, keep model in vacuum conditions to ensure dimensional stability
- Avoid air pockets when welding the material



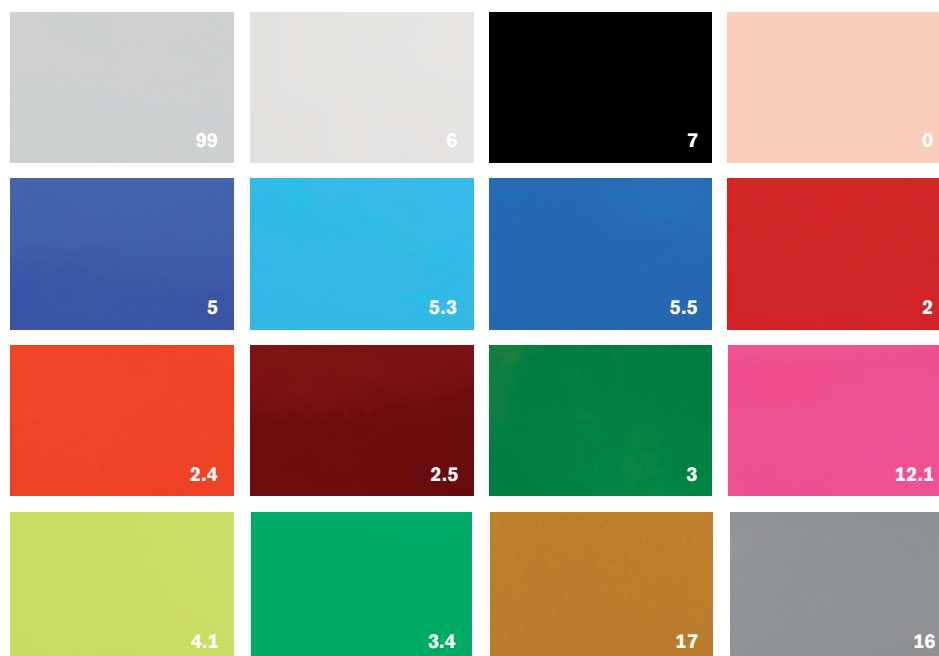
ThermoLyn supra flexible

616T112 / 616T113

	616T112=*		616T113=*		
Length	1,000 mm	1,000 mm	5,000 mm	5,000 mm	5,000 mm
Width	1,000 mm	1,000 mm	1,000 mm	1,000 mm	1,000 mm
Thickness (*)	2 mm, 4 mm	2 mm, 3 mm, 4 mm, 5 mm	1.5 mm, 2 mm, 3 mm, 4 mm	3 mm, 4 mm, 5 mm	5 mm
Colour (*)	transparent (99), black (7), white (6), blue (5), light blue (5.3), dark blue translucent (5.5), red (2), light red translucent (2.4), burgundy (2.5), green (3), neon pink (12.1), neon yellow (4.1) neon green (3.4), gold (17), silver (16)		skin coloured (0)	transparent (99)	skin coloured (0) transparent (99) black (7)

	616T112=*
Length (*)	400 mm
Width (*)	400 mm
Thickness (*)	6 mm, 9 mm, 12 mm, 15 mm
Colour	skin coloured

Colours available



Available information materials:

Article no.	Description
646F265=GB	Poster Thermoplastics
646D300=GB	Technical Information Thermoplastics
646M69	Sample Kit ThermoLyn for Definitive Sockets

Otto Bock HealthCare GmbH
Max-Näder-Straße 15 · 37115 Duderstadt/Germany
T +49 5527 848-1706 · F +49 5527 72330
export@ottobock.de · www.ottobock.com