

ThermoLyn

for flexible diagnostic and definitive sockets



Quality for life





Areas of application of the variants ThermoLyn for flexible diagnostic 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 (646T690)	EVA	EVA with silicone dispersion	EVA
Characteristics	<ul style="list-style-type: none"> • Wearer comfort ●○○○ • Friction ●○○○ • Dimensional stability ●○○○ • Permanent elasticity ●○○○ 	<ul style="list-style-type: none"> • Wearer comfort ●○○○ • Friction ●○○○ • Dimensional stability ●○○○ • Permanent elasticity ●○○○ 	<ul style="list-style-type: none"> • Wearer comfort ●●●○ • Friction ●●○○ • Dimensional stability ●○○○ • Permanent elasticity ●●○○ 	<ul style="list-style-type: none"> • Wearer comfort ●●●● • Friction ●●●● • Dimensional stability ●○○○ • Permanent elasticity ●○○○
Areas of application	<ul style="list-style-type: none"> • Definitive sockets for the upper and lower limbs 	<ul style="list-style-type: none"> • Definitive sockets for the upper and lower limbs 	<ul style="list-style-type: none"> • Definitive sockets for the upper and lower limbs 	<ul style="list-style-type: none"> • Diagnostic sockets for the upper and lower limbs • Definitive sockets for the upper and lower limbs • Definitive sockets for hip disarticulations • Flaps and fasteners in orthotic devices • Hand positioning orthoses

Key:

●○○○ Recommended → ●●●● Excellent



646F265=en_INT Thermoplastics poster
646T753=EN ThermoLyn supra flexible technical information
646M69 Thermoplastic materials sampler ring

ThermoLyn soft, beige 616T69

Possible areas of application:

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

Product information:

- Ethylene vinyl acetate
- Also in antibacterial (616T269)
- High flexibility at the socket brims
- 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	Beige	Beige	Beige	Beige



Tip:

- 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:

- Polyethylene copolymer
- 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)

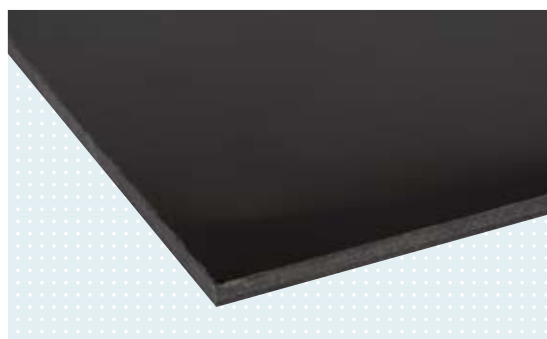


Article number	616T690=400x8	616T690=400x10
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	8 mm	10 mm
Colour	Black	Black

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	1,225 mm	1,225 mm
Width	1,225 mm	1,225 mm
Thickness	8 mm	10 mm
Colour	Black	Black

Article number	616T690=1225x12	616T690=1225x15
Length	1,225 mm	1,225 mm
Width	1,225 mm	1,225 mm
Thickness	12 mm	15 mm
Colour	Black	Black



ThermoLyn soft, colourless 616T53

Possible areas of application:

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

Product information:

- Ethylene vinyl acetate
- Also in antibacterial (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	Colourless	Colourless	Colourless	Colourless

Article number	616T53=1225x8	616T53=1225x12	616T53=1125x15
Length	1,225 mm	1,225 mm	1,225 mm
Width	1,225 mm	1,225 mm	1,225 mm
Thickness	8 mm	12 mm	15 mm
Colour	Colourless	Colourless	Colourless



Tip:

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:

- Ethylene vinyl acetate
- Very high flexibility
- For more comfortable socket brims
- Minor shrinkage: approx. 3%
- 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	Colourless	Colourless	Colourless



Tip:

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:

- Ethylene vinyl acetate with silicone
- Very high flexibility
- For more comfortable socket brims
- 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	Colourless	Colourless	Colourless



ThermoLyn supra flexible 616T112 / 616T113

Possible areas of application:

- 1 For checking the proper fit before custom liners are provided, e.g. transparent TT diagnostic socket
- 2 For checking proper fit and as flexible residual limb support in a check socket, e.g. transparent KD diagnostic socket with integrated pad (for the integrated pad we recommend, for example, Evazote® in 4 mm)
- 3 As flexible residual limb socket, e.g. gold TT definitive socket
- 4 As flexible residual limb socket, e.g. black 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. blue HD definitive socket with integrated flap (flaps can be manufactured to overlap)

Product information:

- Ethylene vinyl acetate
- Permanently elastic
- More comfortable socket brim design
- Comfortable to wear
- Large selection of colours
- Washable
- Subsequent welding possible
- Can be bonded to itself when heated
- Temperature recommendation: 80 - 100 °C/176 - 212 °F (infrared oven), 100 - 120 °C/212 - 248 °F (convection oven)

Processing information:

- Plaster model: smooth
- Do not isolate the plaster model (e.g. with silicone grease)
- 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

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ThermoLyn supra flexible

616T112 / 616T113

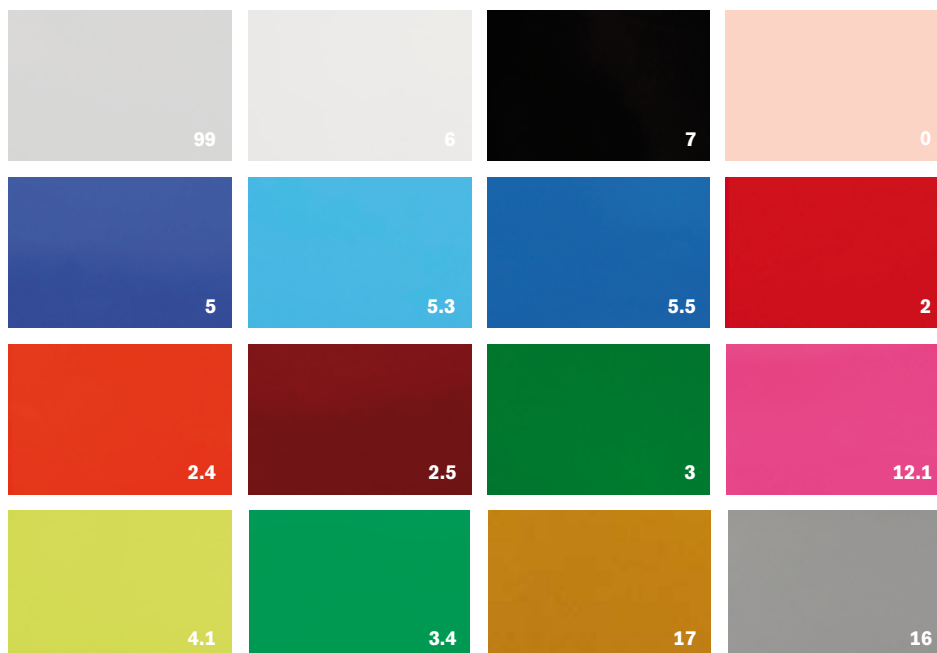
Order examples

Reference number	=	400 x 400	x	Thickness	Reference number	=	Thickness	-	Colour	Reference number	=	Thickness	-	Colour
616T112	=	400 x 400	x	6	616T112	=	2	-	4.1	616T113	=	3	-	99

	616T112=*			616T113=*		
Length	1,000 mm	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	1,000 mm
Thickness (*)	2 mm, 4 mm	2 mm, 3 mm, 4 mm, 5 mm	5 mm	1.5 mm, 2 mm, 3 mm, 4 mm, 5 mm	3 mm, 4 mm, 5 mm	4 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)			Beige (0)		Black (7)

	616T112=*	616T112=40x40x5-7
Length (*)	400 mm	400 mm
Width (*)	400 mm	400 mm
Thickness (*)	6 mm, 9 mm, 12 mm, 15 mm	5 mm
Colour (*)	Beige	Black (7)

Available colours



Notes





