

Notes* on the areas of application and temperature recommendations** for padding materials

* This information applies only to padding materials from Ottobock SE & Co. KGaA.
 ** The temperatures specified here are only recommendations of Ottobock SE & Co. KGaA and must be adjusted for your individual heating devices.
 *** The shore hardness is a material characteristic for padding materials in accordance with the DIN 53505 and DIN 7988 standards. The information in this table is based on the determination of shore hardness for the materials prior to processing and under consideration of the recommended target temperature at the measurement site.

Application examples/ product names	Structure/composition	Application areas										Thermoformable	Shore hardness**	Characteristics	Recommended forming temperature for convection and infrared ovens			
		FO	AFO	KAFO	Positioning splint	Body jacket	Prosthetic sockets	Soft sockets	Seating shells/rehabilitation									
Pedilin 617S3, 617S6	PE foam, closed-cell	•	•	•							••	••		•	approx. 35 shore A	The classic for soft sockets, Good thermoformability, Excellent adhesive characteristics, Highly resilient	130 °C/266 °F	
Plastazote® 617S7, 617S8, 617S17, 617S18, 617S21	PE foam, closed-cell		•	••	•	•							•	•	approx. 15–20 shore A	Low density, Good adhesive characteristics, Good restoring capacity	110 °C/230 °F	
Evazote® 617S9, 617S13, 617S14	EVA copolymer, closed-cell		•	•		•							•	•	approx. 12–20 shore A	Elastic, Highly resilient	110 °C/230 °F	
Nora® Aero sorb, medium 617S174	Light cellular rubber, closed-cell	••	•	•	••									•	approx. 12 shore A, 26 shore A zero	Low density, Washable, Delayed restoring capacity, Shock absorbent	110–130 °C/ 230–266 °F	
Nora® Aero sorb, soft 617S173	Light cellular rubber, closed-cell	••	•	•	••									•	approx. 8 shore A, 22 shore A zero	Low density, Washable, Delayed restoring capacity, Shock absorbent	110–130 °C/ 230–266 °F	
Nora® Lunasoft SL 617S191	EVA copolymer, closed-cell	•	•	•							••	••		•	approx. 40 shore A	Low density, Washable, Good restoring capacity	120–170 °C/ 248–338 °F	
Nora® Lunasoft SLW 617S192	EVA copolymer, closed-cell	•	•	•							•			•	approx. 30 shore A	Low density, Smooth, Washable	120–170 °C/ 248–338 °F	
Nora® Lunatec Combi 7 617S187–7	EVA copolymer, closed-cell	••	•	•							•	••		•	approx. 30 shore A + approx. 40 shore A	One-step processing, No gluing required, No displacement of the different materials during processing, High volume retention, Washable	130–150 °C/ 266–302 °F	
Nora® Lunairflex 617S188, 617S190	EVA copolymer, closed-cell	•	•	•							•			•	approx. 22 shore A	Very low density, Highly elastic, Washable, Good restoring capacity, No horizontal deformation possible	110–130 °C/ 230–266 °F	
Nora® Lunsairmed 617S181, 617S180	EVA copolymer, closed-cell	••	•	•							•			•	approx. 18 shore A	Very low density, Highly elastic, Washable, Good restoring capacity, No horizontal deformation possible	110–130 °C/ 230–266 °F	
Nora® Lunalastik 617S189	EVA copolymer, closed-cell	•	•	•							•			•	approx. 25 shore A	Highly resilient, Washable, Good adhesive characteristics	110–130 °C/ 230–266 °F	
Dynoform 617S70, 617S71	PE foam, closed-cell	•	•	•							•	•		•	approx. 30 shore A	Resilient, Pressure-resistant	110–130 °C/ 230–266 °F	
Multicolor OD 617S92	PE foam, closed-cell	••	•	•										•	approx. 27 shore A	Highly resilient, Pressure-resistant	140 °C/284 °F	
Dino foam 617S90, 617S91, 617S93, 617S94	EVA copolymer, Closed-cell	•	•	•										•	approx. 40 shore A	Highly resilient, Pressure-resistant	100 °C/212 °F	
PPT 617S68	PU flexible foam	••	•	•											approx. 15 shore A	Nearly 100% restoring capacity, Pressure and shock-absorbent, Durable, Roughened on both sides	–	
Dyatec 617S119	PU flexible foam, open-cell	••	•	•											approx. 10 shore A	Low density, Delayed restoring capacity, Soft	–	
Cellular rubber 619M5	Open pores on both sides										•	•			approx. 10 shore A	Highly resilient, Versatile	–	
Rubber padding 619M3	Both sides with skin and fine material pattern											•			approx. 25 shore A	High pressure elasticity, Good restoring capacity, Versatile	–	
Relax foam 616T92, 616T93	Open-cell												•		–	Slow restoring behaviour, Good damping characteristics	–	
Bedding foam, self-adhesive 619M9	Open-cell												•		–	Slow restoring behaviour, Low density	–	
Terry cloth padding fabric, self-adhesive 623P2	Upper material: terry cloth, Underside: adhesive film		•	•	•	•									–	Very comfortable	–	
Terry cloth padding 623P3	Upper material: terry cloth, Underside: loop material		•	•	•	•									–	Compatible with hook-and-loop, Used with 623Z4 and 623Z200 micro hook-and-loop	–	
Padding material, self-adhesive 616T25	PVC foam		•	•	•	•									–	Suitable for trial fittings	–	
ComforTex air 623F62	Side 1: 100% polyamide Side 2: 100% polyester		•	•	•	•									–	Air-permeable, Excellent padding characteristics, Highly resilient, Very comfortable, Individual shaping possible, Side 1 compatible with hook-and-loop, 30 °C/86 °F gentle cycle	–	
ComforTex soft 623F109	Side 1: 100% polyamide Side 2: 16% spandex; 84% polyamide		•	•	•	•									–	Especially soft surface, Excellent padding characteristics, Highly resilient, Excellent wearer comfort, Individual shaping possible, HF and ultrasonic welding possible, Side 1 compatible with hook-and-loop, 30 °C/86 °F gentle cycle	–	
ComforTex smooth 623F110	Side 1: 100% polyamide Side 2: 20% spandex, 80% polyamide		•	•	•	•									–	Very smooth surface, Excellent padding characteristics, Highly resilient, Excellent wearer comfort, Individual shaping possible, HF and ultrasonic welding possible, Side 1 compatible with hook-and-loop, 30 °C/86 °F gentle cycle	–	
ComforTex grippy 623F112	Side 1: 100% polyamide Side 2: 16% spandex, 84% polyamide		•	•	•	•									–	Special knitting technique prevents slipping in the nap direction, Excellent padding characteristics, Highly resilient, Excellent wearer comfort, Individual shaping possible, HF and ultrasonic welding possible, Side 1 compatible with hook-and-loop, 30 °C/86 °F gentle cycle	–	
Neoprene® 617S10, 617S15	Closed-cell		•	•	•	•									approx. 18 shore A	Resilient, Textile-coated	–	
PS velour 620P15	Microfibre synthetic fleece 60% polyamide, 40% polyurethane	•	•	•	•	•									–	Washable, Tear resistant, Permeable to air, Permeable to water vapour, Resistant to chafing, Colourfast to perspiration	–	
TechnoGel sheet 616S116	PU gel with PE film on one side	•	•	•							•			•	approx. 2.5 shore A	Retains its shape, Good deflection of shear forces, Very good damping and good pressure redistribution, Highly elastic, High shock absorption, Good adhesive characteristics	–	
TechnoGel sheet 616S8	PU gel with PU film on both sides	•	•	•							•			•	approx. 2.5–10 shore A	Retains its shape, Good deflection of shear forces, Very good damping and good pressure redistribution, Highly elastic, High shock absorption, Good adhesive characteristics	–	
Padding materials with antibacterial effect SKINGUARD technology																		
Pedilin SilverShield® 617S203	PE foam, closed-cell	•	•	•							••	••		•	approx. 35 shore A	<p>Skinguard – benefits at a glance:</p> <ul style="list-style-type: none"> + High and long-lasting effectiveness of the antibacterial substances + Effective against a wide range of pathogenic bacteria such as Staphylococcus aureus (gram-positive) and Escherichia coli (gram-negative) as specified by the JIS Z 2803 standard + Effectively reduces formation of odours + Outstanding skin compatibility (dermatologically tested, SGS Institut Fresenius GmbH Deutschland) + No impairment of physical characteristics and processing properties by the addition of antibacterial substances 	Good thermoformability, Excellent adhesive characteristics, High restoring capacity, Weldable with PE	130 °C/266 °F

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•• highly recommended, • recommended