

Information* on areas of application and temperature recommendations** for padding materials

* The information in this table applies only to padding materials by Otto Bock HealthCare GmbH in Duderstadt, Germany. ** The temperatures specified here are only recommendations by Otto Bock HealthCare GmbH and must be modified to suit your individual heating devices. *** The Shore hardness is a material parameter for padding materials determined according to the DIN 53505 and DIN 7868 standards. The data in this table are based on Shore hardness determination of unprocessed materials under consideration of the recommended nominal temperature at the measuring site.											Thermoformable	Shore hardness***	Features	Recommended forming temperature
Application examples/ Product description	Structure/ Composition	FO	AFO	KAFO	Positioning splint	Corset	Prosthetic check socket	Soft sockets	Seating shells/ Rehab	Thermoformable	Shore hardness***	Features	Recommended forming temperature	
Pedlin 617S3, 617S6	PE foam, closed cell	•	•	•			••	••		•	approx. Shore A 35	conventional material for soft sockets, good thermoformability, good gluing properties, high restoring force	130 °C (266 °F)	
Plastazote® 617S7, 617S8, 617S16, 617S17, 617S18, 617S21	PE foam, closed cell		•	••	•	•			•	•	approx. Shore A 15-20	low density, good gluing properties, good restoring force	110 °C (230 °F)	
Evazote® 617S9, 617S12, 617S13, 617S14	EVA copolymer, closed cell		•	•		•			•	•	approx. Shore A 12-20	elastic, high restoring force	110 °C (230 °F)	
Nora® Lunasoft SL 617S25	EVA copolymer, closed cell	•	•	•			••	••	•	•	approx. Shore A 40	low density, washable, good restoring force	120-170 °C (248-338 °F)	
Nora® Lunasoft SLW 617S26	EVA copolymer, closed cell	•	•	•			•		•	•	approx. Shore A 30	low density, smooth, washable	120-170 °C (248-338 °F)	
Nora® Lunatec Combi 617S133=7	EVA copolymer, closed cell	••	•	•			•	••	•	•	approx. Shore A 30 + approx. Shore A 40	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 617S27, 617S28	EVA copolymer, closed cell	•	•	•			•		•	•	approx. Shore A 22	very low density, high elasticity, washable, good restoring force, no horizontal deformation is allowed	110-130 °C (230-260 °F)	
Nora® Lunairmed 617S29, 617S30	EVA copolymer, closed cell	••	•	•			•			•	approx. Shore A 18	very low density, high elasticity, washable, good restoring force, no horizontal deformation is allowed	110-130 °C (230-260 °F)	
Nora® Lunalastik 617S36	EVA copolymer, closed cell	•	•	•			•			•	approx. Shore A 25	high restoring force, washable, good gluing properties	110-130 °C (230-260 °F)	
Dynoform 617S70, 617S71	PE foam, closed cell	•	•	•			•			•	approx. Shore A 30	restoring force, pressure resistance	110-130 °C (230-260 °F)	
Multicolor OD 617S92	PE foam, closed cell	••	•	•						•	approx. Shore A 27	high restoring force, pressure resistance	140 °C (284 °F)	
Dino Foam 617S90, 617S91, 617S93, 617S94	EVA copolymer	•	•	•						•	approx. Shore A 40	high restoring force, pressure resistance	100 °C (212 °F)	
PPT 617S67, 617S68	flexible PU foam	••	•	•							approx. Shore A 15	almost 100 percent shape recovery, pressure and shock resistant, long service life, roughened on both sides	-	
Biflex 617S102	EVA copolymer, closed cell	•	•	•							approx. Shore A 18	high restoring force	-	
Dyatec 617S119	flexible PU foam, open cell	••	•	•	•	•					approx. Shore A 10	low density, delayed restoring force, soft	-	
Dyatec 617S120	flexible PU foam, open cell	•	•	•	•	•	•				approx. Shore A 10	flow capability, good restoring force	-	
Cellular Unvulcanized Rubber 619M5	open pores on both sides						•	•			approx. Shore A 10	high restoring force, versatile use	-	
Rubber Padding 619M2	one side with skin and fine material pattern, the other side is open-pored						•	•			approx. Shore A 25	high pressure elasticity, good restoring force, versatile use	-	
Rubber Padding 619M3	both sides with skin and fine material pattern							•			approx. Shore A 25	high pressure elasticity, good restoring force, versatile use	-	
Rubber Padding 619M4	one side with skin and fine material pattern, the other side is open-pored							•			approx. Shore A 25	high pressure elasticity, good restoring force, versatile use	-	
Relax Foam 616T92, 616T93	open cell					•			•		-	slow shape recovery, good dampening characteristics	-	
Bedding Foam, Self-Adhesive 619M9	open cell					•			•		-	slow shape recovery, low density	-	
Foam Sheetting 636S1	open cell					•			•		-	high gluing properties, low density	-	
Moltopren® 616G7	polyester-based PU foam		•	•	••				•		-	high gluing properties, low density	-	
Terry Cloth Padding Fabric, Self-Adhesive 623P2	upper material: terry cloth, lower surface: adhesive film		•	•	•	•					-	high wearing comfort	-	
Terry Cloth Padding Fabric 623P3	upper material: terry cloth, lower surface: loop material		•	•	•	•					-	velcro compatible, to be used in connection with 623Z4 Micro Hook Strip	-	
Padding Material, Self-Adhesive 616T25	PVC foam		•	•	•	•					-	suitable for trial fitting	-	
SpaceTex 623F62	70 % polyester, 30 % polyamide		•	•	•	•					-	velcro compatible, exchangeable, washable up to 60 °C (140 °F), transmits both heat and moisture away from the body, breathable, high restoring force, to be used in connection with 623Z4 Micro Hook Strip	-	
Sportolon 617S19, 617S20	open cell	•	•	•							approx. Shore A 15	high restoring force, washable, breathable, low density	-	
Neopren® 617S10, 617S15	closed cell		•	•							approx. Shore A 18	restoring force, textile coated	-	
PS Velour 620P15	microfiber synthetic fleece 60 % polyamide, 40 % polyurethane	•	•	•	•						-	washable, tear-resistant, breathable, water vapor permeable, abrasion-resistant, color-fast against sweat	-	
PS Velour with Self-Adhesive Sheetting 620P16, 620P17	microfiber synthetic fleece 60 % polyamide, 40 % polyurethane	•	•	•	•						-	self-adhesive, washable, tear-resistant, breathable, water vapor permeable, abrasion-resistant, color-fast against sweat	-	
Technogel Sheet 616S116	PU gel with PE sheeting on one side	•	•	•			•		•		approx. Shore A 2,5	shape stability, good shear stress distribution, very good dampening and good pressure distribution, high elongation, high shock absorption, good gluing properties	-	
Technogel Sheet 616S8	PU gel with PU sheeting on both sides	•	•	•			•		•		approx. Shore A 2,5-10	shape stability, good shear stress distribution, very good dampening and good pressure distribution, high elongation, high shock absorption, good gluing properties	-	
Padding materials with antibacterial/antimicrobial effect SKINGUARD technology														
Pedlin SilverShield® 617S203	PE foam, closed cell	•	•	•			••	••		•	approx. Shore A 35	 SKINGUARD technology – advantages at a glance: + high and long-lasting effectiveness of the antibacterial and antimicrobial 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 2801 standard + efficient reduction of odour production + extremely skin-friendly (dermatologically tested, SGS Institut Fresenius GmbH Deutschland) + no impairment of the physical characteristics and processing properties by the addition of the antibacterial and antimicrobial substances	good thermoformability, good gluing properties, high restoring force, weldable with PE	130 °C (266 °F)
Antimicrobial Nora® Lunairmed 617S229	EVA copolymer, closed cell	••	•	•			•			•	approx. Shore A 18	antimicrobial effect, very low density, high elasticity, washable, good restoring force, no horizontal deformation is allowed	120-130 °C (248-266 °F)	

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•• especially recommendable, • recommendable