MATERIALS APPLICATIONS

Product	Vacuum Formable	Adhesive when hot	Durometer	Working Temperature (*)	Application
Evazote	Yes	No	15	135°C	Splints, Collars, Padding
Orthocell	No	No	18 - 22	80°C	Orthopedic foot bedding, lining, padding
Neolon	No	No	20		Top Cover
Plastazote	Yes when non-perforated	Yes	20	135°C	Orthopedic foot bedding, lining, padding
Poron	No	No	20		Foot Orthotics, padding
AliPlast™ 4E	Yes	Yes	23	121-163°C	Orthopedic foot bedding, lining, padding
Thermofoam	Yes	Yes	23	121-163°C	Orthopedic foot bedding, lining, padding
Alf Lastik	Yes	No	25	110-130°C	Orthopedic foot bedding, lining, padding
Multiform	Yes	Yes	35	110-130°C	Foot orthotics, lining, padding
AliPlast™ 6A	Yes	Yes	34	120-170°C	Orthopedic foot bedding, posting, hand splints
Multicolor Ortoeva	Yes	Yes	35	149°C	Foot Orthotics, middle layer, top cover
Othocork™	N	No	45		Orthopedic foot bedding / buildups, posting
PE-Lite™ Firm	Yes when non-perforated	Yes	45	104-121°C	• Liners, prosthetic and orthotic • Shoe insoles, • Pressure pads in spinal orthoses
Nickleplast™ Firm	Yes	No	45	149-177°C	Foot orthotics, prosthetic liner
Cushion Cork	No	No	50		Orthopedic foot bedding / buildups, posting
Thermocork	Yes	No	50	130-140°C	Foot orthotics
AliPlast™ XPE	Yes	Yes	68		Othopedic bedding / buildups, posting, sports inserts
Dual Laminate	-	-	-	135-149°C	Foot orthotics, middle layer, top cover
Triple Laminate	-	-	-	135-149°C	Foot orthotics, middle layer, top cover
Copolymer Polypro-pylene	Yes	Yes		180°C	• Lower extremity orthoses especially when greater flexibility is required • Spinal and upper extremity orthotics • Prosthetic sockets
Homopolymer Poly-propylene	Yes			180-220°C	Prosthetic frame sockets, lower extremity or-thotics
Ortholen® / RCH 1000	Yes	Partially		177°C	Lower extremity orthotics where leaf spring effect needed
PolyCar-C™	Yes	No		204°C	Lower extremity orthotics, AFO reinforcement
Spolene	Yes	Yes		177°C	Body jackets, lower extremity orthotics

MATERIALS APPLICATIONS

Product	Vacuum Formable	Adhesive when hot	Durometer	Working Temperature (*)	Application
Subortholen® / RCH 500	Yes	Partially		177-205°C	Spinal orthoses Lower extremity orthotic cuffs Resting splints
Polyethylene, High Density	Yes	Yes		177-205°C	• Lower extremity Orthosis, particularly when greater rigidity is required. Especially posterior leaf spring AFO's, • Spinal and upper extremity orthotics, • Prosthetics
Polyethylene, Low Density	Yes	Yes		130-150°C	• Anterior shells of KAFO and AFO • Spinal Orthotics
Proflex	Yes	Yes		165-205°C	AK Sockets
Proflex with Silicone	Yes	Yes		165-205°C	SFS Sockets
Uvex	Yes	No, Solvent bondable with M.E.K.		150°C	Check Sockets
Thermo-Vac Sheets (Surlyn)	Yes	Yes		177°C	• Check Sockets, • S.F.S. Sockets • Spinal and upper extremity orthotics • used where clarity enchances function, i.e. burn patients