



a range of thermoplastic material and accessories for immobilization splints



INSTRUCTIONS FOR USE

General Description

Manosplint® is a low temperature thermoplastic material used to fabricate splints, orthoses and rehabilitation aids.

Heating Methods, Temperature & Working Time

Hot Water Method: 140° - 162°F (60° - 72°C) for 1-2 minutes with a forming working time of 2-4 minutes depending on material thickness and the degree in which the material was stretched. Manosplint® Ohio and Manosplint® Ohio S turn translucent when heated.

Dry Heat Oven Method: 176° - 194°F (80° - 90°C) for 3-5 minutes with a forming working time of 2-4 minutes depending on material thickness and the degree in which the material was stretched. Manosplint® Ohio and Manosplint® Ohio S turn translucent when heated.

Patterns & Cutting

A pattern can be drawn directly on the sheet material with a scratch awl. Thicker material may require scoring first with a utility knife and then bending at the score. Cut the pattern with heavy duty shears or scissors. Finish trimming with scissors.

Note, warming the material to soften it slightly (not heating all the way) will aid in the ease of cutting.

Forming the Splint

Utilize desired heating method. Moderate resistive materials require smooth strokes while maximum resistive material will require a firmer hand. Manosplint® Ohio S and Manosplint® Carolina are uncoated "sticky" materials. This "stickiness" will aid in application by keeping the material in place. This will also allow for a permanent bond. Coated materials (Manosplint® Ohio and Manosplint® Wisconsin) can form a temporary bond by pinching the material together, or a permanent bond if the coating is removed by scraping or with a solvent.

Finishing & Adjusting

Manosplint® thermoplastic splints can be adjusted with a heat gun or by dipping in hot water. Edges will remain smooth and closed. Splints maintain their shape while using low heat for fitting and adjustments. Manosplint® Ohio and Manosplint® Ohio S have 100% memory and, if reheated can, return to their original shapes.

Care

Clean with mild soap and lukewarm water. Do not immerse fabricated splints in water greater than 123°F (51°C) as the splints will lose their shapes.



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Ohio

	sheet	list	case qty	list
1/16" x 18" x 24" Solid White	24-5200-1	\$63.25	24-5200-4	\$230.00
1/16" x 18" x 24" Solid Beige	24-5201-1	\$63.25	24-5201-4	\$230.00
1/16" x 18" x 24" 11% Perf White	24-5202-1	\$71.50	24-5202-4	\$260.00
1/16" x 18" x 24" 11% Perf Beige	24-5203-1	\$71.50	24-5203-4	\$260.00
1/16" x 12" x 18" Solid White	24-5210-1	\$31.65	24-5210-8	\$230.00
1/16" x 12" x 18" Solid Beige	24-5211-1	\$31.65	24-5211-8	\$230.00
1/16" x 12" x 18" 11% Perf White	24-5212-1	\$35.75	24-5212-8	\$260.00
1/16" x 12" x 18" 11% Perf Beige	24-5213-1	\$35.75	24-5213-8	\$260.00
1/12" x 18" x 24" Solid Beige	24-5220-1	\$63.25	24-5220-4	\$230.00
1/12" x 18" x 24" 15% Perf Beige	24-5221-1	\$71.50	24-5221-4	\$260.00
1/12" x 12" x 18" Solid Beige	24-5230-1	\$31.65	24-5230-8	\$230.00
1/12" x 12" x 18" 15% Perf Beige	24-5231-1	\$35.75	24-5231-8	\$260.00
3/32" x 18" x 24" Solid White	24-5240-1	\$68.75	24-5240-4	\$250.00
3/32" x 18" x 24" Solid Beige	24-5241-1	\$68.75	24-5241-4	\$250.00
3/32" x 18" x 24" 15% Perf Beige	24-5242-1	\$77.00	24-5242-4	\$280.00
3/32" x 18" x 24" 15% Perf White	24-5243-1	\$77.00	24-5243-4	\$280.00
3/32" x 18" x 24" 36% Perf White	24-5244-1	\$77.00	24-5244-4	\$280.00
3/32" x 12" x 18" Solid White	24-5250-1	\$34.40	24-5250-8	\$250.00
3/32" x 12" x 18" 15% Perf Beige	24-5251-1	\$38.50	24-5251-8	\$280.00
3/32" x 12" x 18" 15% Perf White	24-5252-1	\$38.50	24-5252-8	\$280.00
3/32" x 12" x 18" 36% Perf White	24-5253-1	\$38.50	24-5253-8	\$280.00
1/8" x 24" x 36" Solid White	24-5260-1	\$137.50	24-5260-2	\$250.00
1/8" x 24" x 36" 1% Perf White	24-5261-1	\$154.00	24-5261-2	\$280.00
1/8" x 18" x 24" Solid White	24-5270-1	\$68.75	24-5270-4	\$250.00
1/8" x 18" x 24" Solid Beige	24-5271-1	\$68.75	24-5271-4	\$250.00
1/8" x 18" x 24" 1% Perf White	24-5272-1	\$77.00	24-5272-4	\$280.00
1/8" x 18" x 24" 19% Perf White	24-5273-1	\$77.00	24-5273-4	\$280.00
1/8" x 18" x 24" 42% Perf White	24-5274-1	\$77.00	24-5274-4	\$280.00
1/8" x 12" x 18" Solid White	24-5280-1	\$34.40	24-5280-8	\$250.00
1/8" x 12" x 18" Solid Beige	24-5281-1	\$34.40	24-5281-8	\$250.00
1/8" x 12" x 18" 1% Perf White	24-5282-1	\$38.50	24-5282-8	\$280.00
1/8" x 12" x 18" 19% Perf White	24-5283-1	\$38.50	24-5283-8	\$280.00
1/8" x 12" x 18" 42% Perf White	24-5284-1	\$38.50	24-5284-8	\$280.00



Ohio F

	sheet	list	case qty	list
1/16" x 12" x 18" 36% Perf Blue/Grey Fabric	24-5300-1	\$63.25	24-5300-8	\$460.00
1/16" x 12" x 18" 36% Perf Beige Fabric	24-5301-1	\$63.25	24-5301-8	\$460.00
1/16" x 18" x 24" 36% Perf Blue/Grey Fabric	24-5310-1	\$126.50	24-5310-4	\$460.00
1/16" x 18" x 24" 36% Perf Beige Fabric	24-5311-1	\$126.50	24-5311-4	\$460.00
3/32" x 18" x 24" 36% Perf Blue/Grey Fabric	24-5320-1	\$143.00	24-5320-4	\$520.00
3/32" x 18" x 24" 36% Perf Beige Fabric	24-5321-1	\$143.00	24-5321-4	\$520.00
3/32" x 12" x 18" 36% Perf Blue/Grey Fabric	24-5330-1	\$71.50	24-5330-8	\$520.00
3/32" x 12" x 18" 36% Perf Beige Fabric	24-5331-1	\$71.50	24-5331-8	\$520.00
1/8" x 18" x 24" 1% Perf Blue/Grey Fabric	24-5340-1	\$143.00	24-5340-4	\$520.00
1/8" x 18" x 24" 1% Perf Beige Fabric	24-5341-1	\$143.00	24-5341-4	\$520.00
1/8" x 18" x 24" 5% Perf Blue/Grey Fabric	24-5342-1	\$143.00	24-5342-4	\$520.00
1/8" x 18" x 24" 5% Perf Beige Fabric	24-5343-1	\$143.00	24-5343-4	\$520.00
1/8" x 12" x 18" 1% Perf Blue/Grey Fabric	24-5350-1	\$71.50	24-5350-8	\$520.00
1/8" x 12" x 18" 1% Perf Beige Fabric	24-5351-1	\$71.50	24-5351-8	\$520.00
1/8" x 12" x 18" 5% Perf Blue/Grey Fabric	24-5352-1	\$71.50	24-5352-8	\$520.00
1/8" x 12" x 18" 5% Perf Beige Fabric	24-5353-1	\$71.50	24-5353-8	\$520.00



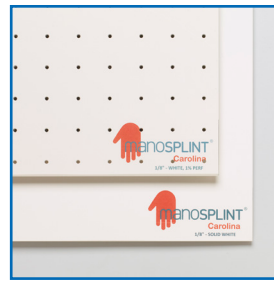
Ohio S

	sheet	list	case qty	list
1/16" x 18" x 24" Solid Beige	24-5400-1	\$63.25	24-5400-4	\$230.00
1/16" x 18" x 24" 11% Perf Beige	24-5401-1	\$71.50	24-5401-4	\$260.00
1/16" x 12" x 18" Solid Beige	24-5410-1	\$31.65	24-5410-8	\$230.00
1/16" x 12" x 18" 11% Perf Beige	24-5411-1	\$35.75	24-5411-8	\$260.00
3/32" x 18" x 24" Solid Beige	24-5420-1	\$68.75	24-5420-4	\$250.00
3/32" x 18" x 24" 15% Perf Beige	24-5421-1	\$77.00	24-5421-4	\$280.00
3/32" x 12" x 18" Solid Beige	24-5430-1	\$34.40	24-5430-8	\$250.00
3/32" x 12" x 18" 15% Perf Beige	24-5431-1	\$38.50	24-5431-8	\$280.00
1/8" x 18" x 24" Solid Beige	24-5440-1	\$68.75	24-5440-4	\$250.00
1/8" x 18" x 24" 19% Perf Beige	24-5441-1	\$77.00	24-5441-4	\$280.00
1/8" x 12" x 18" Solid Beige	24-5450-1	\$34.40	24-5450-8	\$250.00
1/8" x 12" x 18" 19% Perf Beige	24-5451-1	\$38.50	24-5451-8	\$280.00



Carolina

	sheet	list	case qty	list
1/8" x 24" x 36" Solid White	24-5100-1	\$137.50	24-5100-2	\$250.00
1/8" x 24" x 36" 1% Perf White	24-5101-1	\$154.00	24-5101-2	\$280.00
1/8" x 18" x 24" Solid White	24-5110-1	\$68.75	24-5110-4	\$250.00
1/8" x 18" x 24" 1% Perf White	24-5111-1	\$77.00	24-5111-4	\$280.00
1/8" x 12" x 18" Solid White	24-5120-1	\$34.40	24-5120-8	\$250.00
1/8" x 12" x 18" 1% Perf White	24-5121-1	\$38.50	24-5121-8	\$280.00



Wisconsin

	sheet	list	case qty	list
1/8" x 24" x 36" Solid Blue	24-5500-1	\$137.50	24-5500-2	\$250.00
1/8" x 24" x 36" Solid Beige	24-5501-1	\$137.50	24-5501-2	\$250.00
1/8" x 24" x 36" Solid White	24-5502-1	\$137.50	24-5502-2	\$250.00
1/8" x 24" x 36" 1% Perf Blue	24-5503-1	\$154.00	24-5503-2	\$280.00
1/8" x 24" x 36" 1% Perf Beige	24-5504-1	\$154.00	24-5504-2	\$280.00
1/8" x 24" x 36" 1% Perf White	24-5505-1	\$154.00	24-5505-2	\$280.00
1/8" x 18" x 24" Solid Blue	24-5510-1	\$68.75	24-5510-4	\$250.00
1/8" x 18" x 24" Solid Beige	24-5511-1	\$68.75	24-5511-4	\$250.00
1/8" x 18" x 24" Solid White	24-5512-1	\$68.75	24-5512-4	\$250.00
1/8" x 18" x 24" 1% Perf Blue	24-5513-1	\$77.00	24-5513-4	\$280.00
1/8" x 18" x 24" 1% Perf Beige	24-5514-1	\$77.00	24-5514-4	\$280.00
1/8" x 18" x 24" 1% Perf White	24-5515-1	\$77.00	24-5515-4	\$280.00
1/8" x 12" x 18" Solid Blue	24-5520-1	\$34.40	24-5520-8	\$250.00
1/8" x 12" x 18" Solid Beige	24-5521-1	\$34.40	24-5521-8	\$250.00
1/8" x 12" x 18" Solid White	24-5522-1	\$34.40	24-5522-8	\$250.00
1/8" x 12" x 18" 1% Perf Blue	24-5523-1	\$38.50	24-5523-8	\$280.00
1/8" x 12" x 18" 1% Perf Beige	24-5524-1	\$38.50	24-5524-8	\$280.00
1/8" x 12" x 18" 1% Perf White	24-5525-1	\$38.50	24-5525-8	\$280.00
3/32" x 18" x 24" Solid White	24-5530-1	\$68.75	24-5530-4	\$250.00
3/32" x 18" x 24" 1% Perf White	24-5531-1	\$77.00	24-5531-4	\$280.00
3/32" x 12" x 18" Solid White	24-5540-1	\$34.40	24-5540-8	\$250.00
3/32" x 12" x 18" 1% Perf White	24-5541-1	\$38.50	24-5541-8	\$280.00



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products you know



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Digi-Flex® hand exercisers



Baseline® hand dynamometer

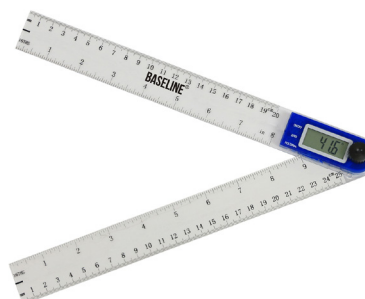
new products



Digi-Flex Multi® hand exerciser



Baseline® digital dynamometer and pinch gauge



Baseline® digital goniometer



Baseline® multi-position pinch gauge

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Manosplint® Wisconsin:
Multiuse material choice for all practitioners... novice to experienced therapists!

Material Highlights	Therapist Benefits	Suggested Clinical Applications
Moderate resistance to stretch	Blend of conformability & control during fabrication	Immobilization orthoses – wrist, hand, thumb; wide variety of diagnoses
Moderate drape	Minimal handling required to achieve optimal fit	
Soft coated drape	Resists fingerprints	Mobilization orthoses – base for dynamic and static progressive designs

Manosplint® Ohio: “coated” **Manosplint® Ohio S:** “uncoated/sticky”

Material Highlights	Therapist Benefits	Suggested Clinical Applications
Moderate resistance to stretch	Good conformability using stretch of material – excellent final fit	Immobilization orthoses – wrist, hand, thumb; wide variety of diagnosis including pediatrics, tendon injuries, fractures, arthritis and neurological diagnoses
Moderate drape	Minimal handling required to achieve optimal fit	
Translucent when heated	Visibility of target areas during application – prevents pressure areas	Mobilization orthoses – base for dynamic and static progressive designs
100% memory	Cost savings – allows complete remolding due to memory	Circumferential designs

Manosplint® Ohio F:
Fabric covered Manosplint® makes fabrication efficient with comfort built-in

Material Highlights	Therapist Benefits	Suggested Clinical Applications
Unique hook-receptive fabric covers front and back surfaces	Strapping is easily applied	Immobilization orthoses – sports injuries, fractures, nerve injuries and neurological diagnoses
Built-in liner	Adds comfort and saves time!	
Antimicrobial fabric	Reduces risk of bacteria and odor	
Moderate resistance to stretch & drape	Easy handling during fabrication	
Maximum rigidity in final device	Easily re-molded allowing for modifications to the orthosis	

Manosplint® Carolina:
For large orthoses & for unassisted patient positioning

Material Highlights	Therapist Benefits	Suggested Clinical Applications
Maximum resistance to stretch	Exceptional control during fabrication process – generalized final fit	Immobilization orthoses – burn injuries, tendon and/or nerve injuries, fractures, arthritis and neurological diagnoses
Minimal drape	Firm handling required for achieving optimal fit	
Can use elastic wrap to aid in fabrication process	Works well for patients unable to assist with positioning	Large orthoses – wrist/hand, elbow, back, lower extremity
Soft coated finish	Resists fingerprints	

Manosplint®	FEATURES					Low Temperature Thermoplastic Comparison			
	Memory	RTS	Drape	Rigidity	Bonding	Orfit	Patterson Medical – Rolyan	North Coast Medical	Chesapeake
Wisconsin	Moderate modifications	Moderate			Coated	Orfit Eco	TailorSplint Kay Splint II & III Polyflex II Orthoplast II	Preferred Vanilla Spectrum	Infinity
Ohio	100%	Moderate	Moderate	Maximum	Coated	Orfit Natural NS Orfit Colors NS	Aquaplast-T Aquaplast-T Watercolors	Omega Max Prism	Fiberform Soft Colours
Ohio S					Uncoated	Orfit	Aquaplast Original	Encore	Rebound
Carolina	Moderate modifications	Maximum	Minimum	Maximum	Coated	Orfit Ease Orfit Classic Stiff Orfit NS Stiff Orfibrace	Ezeform Aquaplast Resilient Synergy San-Splint	Omega Max Omega Plus	Marque-Easy Fiberform Stiff

Splinting material product comparisons do not imply that the products compared are functional or performance equivalents

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Use for Splints, Orthoses & Rehabilitation Aids