



# rolyan<sup>®</sup>

*for Hand Therapy.*



## TailorSplint™

### Overview

TailorSplint™, a polycaprolactone-based splinting material, has the perfect balance between conformability and resistance to stretch, making it the most versatile and popular Rolyan splinting material. The moderate resistance to stretch gives the clinician control, and it will not stretch out of shape when removed from the splint bath. This makes it an excellent choice for medium and large splints. The high level of conformability provides detail when needed, making it a good choice for smaller splints as well. When cooled, TailorSplint creates a strong, rigid splint that is resistant to dents, cracks and breaks.

TailorSplint has a water-based, non-stick coating, which prevents accidental bonding. The material has a low degree of tackiness when heated. It is non-toxic, latex-free and radiolucent.



### Key material benefits

TailorSplint is the most versatile Rolyan splinting material because it does not exhibit any characteristic extremes. This allows the clinician, whether novice or expert, to feel comfortable while molding it.

ENGINEERED & MADE IN THE

# USA

Rolyan, where ingenuity and artistry go hand in hand.

# Material characteristics

## Handling

**Resistance to stretch: Moderate**

Controlled stretch and the ability to handle with moderate pressure. It will not stretch out of shape when removed from splint bath.

**Conformability: Moderate/Maximum**

Conforms to surface contours and detail when force is applied for additional clinician control. Moderate degree of drape.

**Memory: Minimum**

Ability to be reheated and reshaped but will not return to original shape.

**Bonding: Coated**

Create a temporary by pinching together heated material; however, it will come apart when cooled. Form a permanent bond by scrubbing off the coating or removing it with a bond solvent.

## Physical

**Colors: Assorted**

Beige, charcoal or blue

**Thickness: Assorted**

Available in the following sheet thicknesses: 1/8" (3.2 mm), 1/16" (1.6 mm) and 3/32" (2.4 mm).

**Perforations: Assorted**

Available in 1 percent, 19 percent or solid material.

**Appearance: Opaque when heated**

## Hardened splint

**Rigidity: Moderate/Maximum (52.7 kpsi\*)**

Retains shape without reinforcement.

*\*Refers to Young's Modulus testing value*

**Surface: Smooth**

Resists fingerprints and markings if properly handled.

# Care and cleaning

Store at temperatures between 40° and 90°F (4° and 32°C) and less than 65 percent relative humidity. Avoid prolonged exposure to light, especially ultraviolet. Avoid exposure to corrosive and ethylene oxide fumes.

Formed splints will lose their shape in temperatures over 135°F (57°C) and should be kept away from sources of heat such as ovens, hot water and car windows.

Clean splints with soap and lukewarm water. Allow splint and straps to dry thoroughly before reapplication.

# Heating instructions

The recommended method for heating splinting materials is with hot water in a splint bath. A heat gun should only be used for spot-heating and adjustments.

Material thickness	Approximate heating time	Water temperature:		Working time
		Fahrenheit	Celsius	
1/8" (3.2 mm)	1 min	150° to 160°	65° to 70°	3 to 5 min
1/16" (1.6 mm)	30 sec	150° to 160°	65° to 70°	1 min
3/32" (2.4 mm)	30 to 45 sec	150° to 160°	65° to 70°	2 to 3 min

**Note:** Overheating splinting materials increases the draping/stretching characteristics; allow material to cool slightly before handling to avoid excess stretching.

# Indications

Splinting materials are intended to be used for fabrication of custom-molded rigid splints, orthoses and adaptive equipment.

**Best uses include:**

- Thumb spica splints
- Finger splints
- Hand splints
- Wrist splints
- Elbow splints for flexion
- Dynamic splints
- Neck collars
- Foot drop splints
- Splints for spasticity
- Carpal tunnel splints
- Pediatric splints
- Splints for arthritis
- Flexor tendon repair splints
- Back supports
- Knee splints for immobilization
- Shoulder splints
- Foot orthotics
- Ankle stirrup splints
- Static progressive splints

**Precautions for finished orthoses**

Splint adjustments are to be made only by a health care professional, who is responsible for providing wearing instructions and precautions to other practitioners, care providers and the patient. If unusual swelling, skin discoloration or discomfort occurs, discontinue use and consult a health care professional.

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