



rolyan[®]

for Hand Therapy.



Aquaplast-T™

Overview

Aquaplast-T™ is a variation of original Aquaplast™ and features a polycaprolactone base that helps to balance material conformability and moderate resistance to stretch. This gives the clinician more control over how much the material stretches during splint fabrication. Unlike Aquaplast Original, Aquaplast-T has a water-based, non-stick coating, which prevents accidental bonding. Clinicians can use this versatile splinting material for everything from finger splints to medium and large splints.

With 100 percent memory, clinicians can reshape and reheat Aquaplast-T repeatedly. This makes it an ideal choice for static progressive and serial static splints, where the clinician must reform the splint as the patient's condition changes. It becomes transparent when soft to help the clinician identify landmarks for positioning and pressure points to provide maximum comfort for the patient. Aquaplast-T is non-toxic, latex-free and radiolucent.



Key material benefits

Aquaplast-T is the same as original Aquaplast, but with a non-stick coating. The Aquaplast family is the only Rolyan splinting family with 100 percent memory. It also is the only family that turns transparent or translucent when heated. These two special characteristics help the clinician form the perfect-fitting splint with the ability to revise the material when needed.

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 minimum force is applied. Moderate degree of drape.



Memory: 100 percent

When reheated, the material “remembers” its original shape and returns to it. Allows for repeated reheating and reshaping for splint revisions.



Bonding: Coated

Create a temporary bond 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

Color: White

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, 13 percent, 19 percent, 38 percent, 42 percent or solid material.

Appearance: Transparent when heated

Indicates material is soft and ready to form.

Hardened splint



Rigidity: Moderate/Maximum (59.2 kpsi*)

Retains shape without reinforcement.

**Refers to Young's Modulus testing value*

Surface: Smooth

No unwanted fingerprints and markings.

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 splint 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. Only use a heat gun for spot-heating and adjustments.

Material thickness	Approximate heating time	Water temperature:		Working time
		Fahrenheit	Celsius	
1/8” (3.2 mm)	1 to 2 min	160° to 170°	70° to 75°	4 to 6 min
1/16” (1.6 mm)	35 sec	160° to 170°	70° to 75°	1 to 2 min
3/32” (2.4 mm)	1 min	160° to 170°	70° to 75°	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
- Dynamic splints
- Foot drop splints
- Splints for spasticity
- Carpal tunnel splints
- Pediatric splints
- Splints for arthritis
- Splints for burns
- Back supports
- Knee splints for immobilization
- Shoulder splints
- Foot orthotics
- Ankle stirrup splints
- Adaptive equipment
- Static progressive and serial static splints

Related products

- **Aquaplast™**: Same as Aquaplast -T but uncoated
- **ProDrape™**: Same base material as Aquaplast-T™ but with significantly more drape to create a more intricate fit
- **Resilient™**: Same base material as Aquaplast-T but with less drape and more resistance to stretch for maximum control during molding
- **Watercolors™**: Same base material as Aquaplast-T but in a variety of colors to encourage patient compliance

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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