

# Low Temperature Thermoplastic Technology

## CASTING

The only low temperature thermoplastic offered in casting rolls for easy application of cylindrical casts - a practitioner and patient friendly alternative to fiberglass.

Same benefits of fiberglass

- Lightweight
- Due to the large mesh openings
- X-lite® is even lighter!
- Not affected by water
- No plaster mess

Advantages over fiberglass

- Non-Toxic
- No gloves required
- No reports of skin irritation
- Greater ventilation
- Cotton mesh base
- No Waste
- X-Lite® includes a polyurethane separator between layers. Any unused portions may be used for another application. Indefinite shelf life (when inventoried under recommended conditions)



## SPLINTING & BRACING



### BONDING

No solvents or "roughing" the surface required.

### EXCELLENT CONFORMABILITY

Forms easily to the anatomy - no need to stretch or tug.

### VARIABLE RIGIDITY

Add layers for additional rigidity or add strips just to areas where additional reinforcement or support is desired.

### 100 % REVERSIBLE

Just return to heated water for a few seconds and the splint will convert to the flat X-lite® material.

## TECHNOLOGY

The only low temperature thermoplastic that starts with a 100% natural cotton mesh base that is impregnated with a non-toxic resin base and 100% naturally degraded.

### EXCELLENT VENTILATION

The cotton mesh base provides "natural" opening for heat or fluids to escape.

### LIGHTWEIGHT

With the copolymer added only to the cotton mesh itself, X-Lite® is the lightest weight casting and splinting materials on the market.

### NON-TOXIC

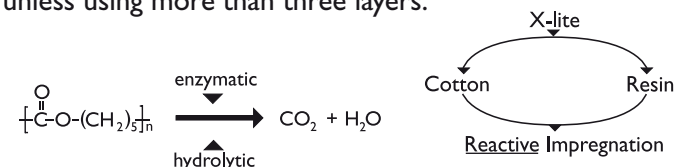
The polymer is fully reacted, which means that it does not contain any of the residues in unreacted form and therefore will not release such residues when applied or worn.

### BIODEGRADABLE

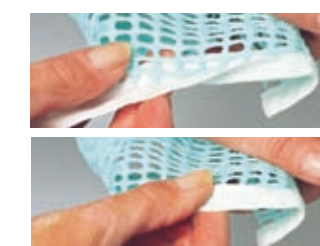
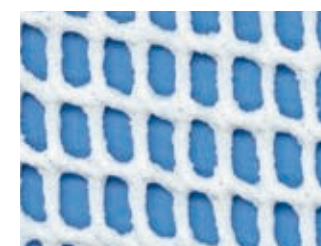
This is an important benefit for those of us who are concerned about the future of our environment. The Microbial Ecology Laboratory, University of Liege, Belgium, studies X-Lite® and stated: "...we are pleased to conclude: Runlite X-Lite® Thermoplastic Products are in full conformity with the French and U.S. standards for biodegradability".

### X-RAY TRANSLUCENT

X-lite® is completely translucent to x-ray and will not show at all on the negative, unless using more than three layers.



## PRODUCT OPTIONS

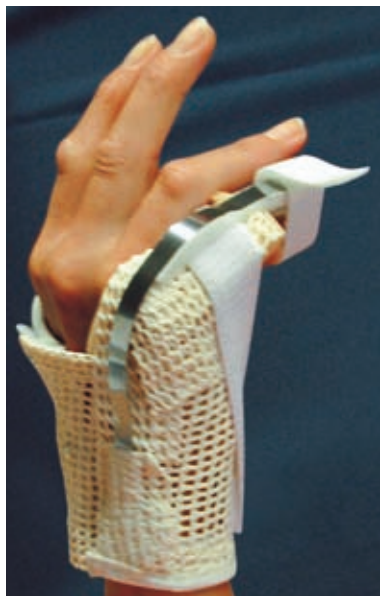


**CLASSIC** is the original X-lite® material. The large mesh openings are great for larger anatomy and when the injury requires maximum aeration, i.e., burns.

**PREMIUM** is made of the same cotton mesh but thinner and with smaller openings. This makes Premium very suitable for small adult anatomy, particularly phalanges, and pediatrics.

**FINISHING/ EDGING TAPE**  
Same proprietary manufacturing process but cotton gauze replaces the cotton mesh. Since both the splinting material and gauze are cotton - bond almost instantly to each other.

**FASTENING SYSTEM (Hook)**  
Bonded to the back of the "hook" is the same cotton gauze used in the Finishing tape with the same excellent bonding properties.



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*Airy & Lightweight*



**COTTON-BASED THERMOPLASTIC**

**FOR MULTIPLE APPLICATIONS**

- cylindrical casts
- fracture bracing
- spinal bracing
- burn care splinting
- wrist & hand splints
- forearm & finger splints
- contracture splints
- dynamic splinting
- tools for daily living\*
- prosthetic sockets\*

\* in progress

**FOR MULTIPLE SPECIALTIES & DEPARTMENTS**

- orthopaedics
- emergency room
- cast room
- burn care
- occupational therapy
- physical therapy
- physical medicine & rehabilitation
- orthotics & prosthetics
- tools for daily living\*
- prosthetic sockets\*

**X-LITE®**

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**X-LITE®**

FOR ALL APPLICATIONS