



## EXCELLENT QUALITY WITH BIODEGRADABLE TECHNOLOGY

X-Lite® is the only casting material made from a cotton base impregnated with a non-toxic, safe polymer. It is biocompatible, biodegradable and better for the environment.

### BIOCOMPATIBLE



X-Lite® Classic, Premium, Plus and 3D-Lite have all passed biocompatibility tests under ISO 10993.

### BIODEGRADABLE



An ISO 14855-1 test of biodegradability found X-Lite Classic to be 24.3% biodegraded after 90 days.

### ENVIRONMENTAL BENEFITS OF BIODEGRADABLE PLASTICS

*We are producing more waste plastic today than ever before in human history. It is in our oceans and even contaminating our drinking water. Scientists estimate that there could be more waste plastic in the ocean than fish by the year 2050, with tap water containing microplastics up to 80% of the time.*



**Lower Emissions:** Using biodegradable plastics instead of items made through the traditional refinement process produces fewer greenhouse gas emissions.

- We consume over 100 million tons of plastic each year
- From this 500 million tons of carbon dioxide is released into our atmosphere each year
- That number is equivalent to the annual emissions of 19 million vehicles!



**Non-pollutant:** Biodegradable plastics do not release other pollutants, such as methane.



**Kind to health:** Bisphenol A (BPA) is a key ingredient in resin and plastic manufacturing. Phthalates soften the plastic to turn it into PVC. Both are considered to be endocrine disruptors that are toxic to the reproduction cycle of humans. Biodegradables eliminate these substances from being needed.



**Less waste:** Plastics represent about 32 million tons of waste each year, with only 9% of that amount directed into recycling programs. When facilities have the correct composting equipment available to manage biodegradable plastics, we can experience an entire breakdown of the product in 18 months.



# X-LITE®

brought to you by

**MedFac**

## X-Lite® Classic

- Original, non-toxic, biodegradable material
- Large mesh openings provides excellent ventilation
- Extra strong and weight-bearing material suitable for any cast or splint of your choice
- Customise the thickness by double layering the material
- Available in White, Royal Blue & Anthracite in rolls, sheets and dispensers



## X-Lite® Premium

- Suitable for splints and casts for the upper extremity and children
- Has a finer mesh than the Classic material and is even more conformable and stretchable

## X-Lite® Plus

- Our X-Lite Premium material combined with a colourful polyester layer
- Fine mesh with a soft polyester fabric surface
- Available in five colours
- Forms easily and quickly, directly on the patient



## 3D-Lite™

- Features a base with 3-Dimensional Polyester fabric for increased strength
- Fine mesh with a soft polyester fabric surface
- Available in 3 different thicknesses - 3mm, 5mm & 7mm
- Fine mesh with a soft polyester fabric surface
- Thickest material and available in large sheets to create large orthoses

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