

ELAST PRO





REVOLUTIONIZING THE MEDICAL INDUSTRY WITH LATEX FREE TPE PRODUCTS

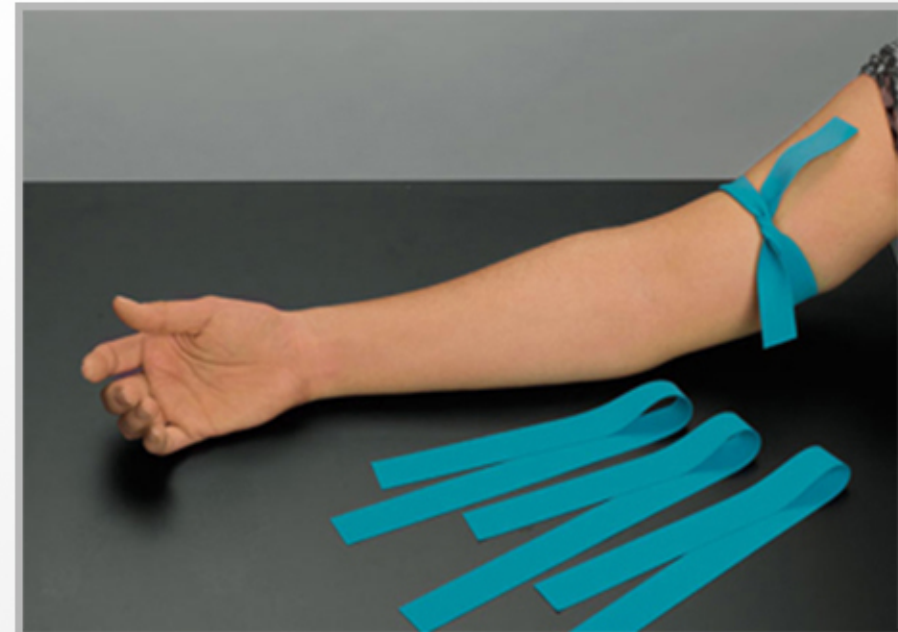
Medical Industry has a prime requirement of hygienic, safe, allergy free & comfortable products. MediElast encompasses all such properties in its various products which again are essentially latex free.

Our Product Range includes:

- Disposable Medical latex-free TPE Tourniquets
- Latex Free TPE Esmarch bandages
- Latex Free TPE Insert for Shoe Covers, Caps, Orthopaedic Drapes etc.
- Latex Free TPE Tapes for face masks & ear loops.
- Latex Free TPE Hospital bed sheets substitute of conventional rubber sheets

The Medi-Elast advantages are:

- # Uncompromisingly safe, anti allergic & easy on skin.
- # Inert to nearly all chemicals.
- # Suitable for all methods of sterilization.
- # Durable & easy to use.
- # One size fits all.



MediElast Disposable Latex-free TPE Tourniquets :



MediElast Disposable Latex-free TPE Tourniquets are latex-free and extruded product of TPE. These are user friendly, tear resistant and durable. It can be perfectly fit on all sizes of limbs due to stretch and appropriate length. It could be easily tied and untied. These could also be manufactured as per customer size and can be printed and labeled easily with the clients brand name.

Specifications:

Product: Latex-Free Thermo Plastic Elastomer.

Standard Sizes:

Thickness:

0.55mm (0.021"), 0.63mm (0.024"), 0.7mm (0.027"), 0.83mm (0.032"), 1.0mm (0.039") and 1.2mm (0.047").

Normally available lengths and widths:

1" X 18"(25mm X 457mm), 3/4" X 18"(19mm X 457mm)
3/4" X 29.52"(19mm X 750mm), 1.5" X 32"(38mm X 812mm).

Any specific size as per customer's requirement is also available.

Surface:

Plain or textured surface with or without talc or silicone coating are available.

Supply form:

Rolled and banded with Latex-free rubber bands or any other packing as required by the customer.

Colours:

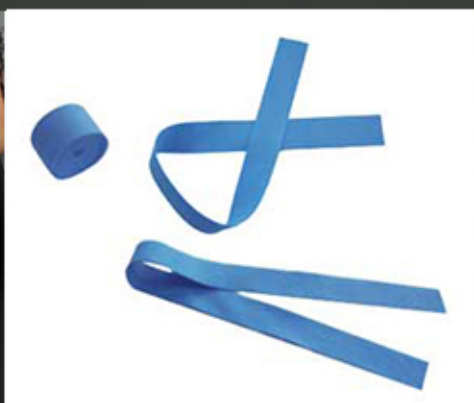
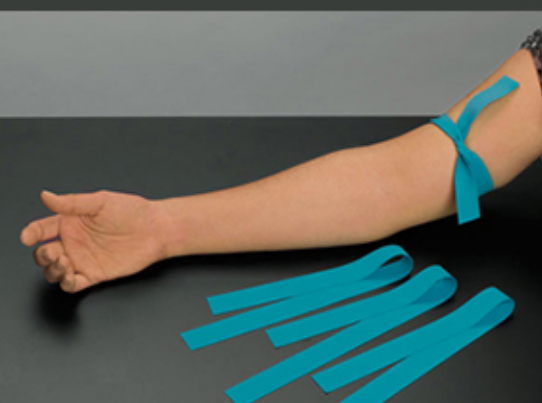
Blue, White, Orange, Pink, Green.

Special customized colors could be produced.

Utility:

A tourniquet is a constricting or compressing device, specifically a bandage, used to control venous and arterial circulation to an extremity for a period of time.

MediElast Disposable Latex-free TPE Tourniquets are disposable elastic strips for collection of blood from patient arm so that veins are visible and to control the blood flow during certain operations.



MediElast Latex Free TPE Esmarch Bandages:



MediElast Esmarch bandages are Latex Free made from TPE. These are safe, soft and comfortable. It can be plain to textured with or without talc or silicone coating

Specifications:

Product: Latex Free Thermo Plastic Elastomer

Standard Sizes:

Thickness:

0.2mm (0.007"), 0.3mm (0.011"), 0.55mm (0.021"), 0.63mm (0.024"), 0.7mm (0.027"), 0.83mm (0.032")

Width:

60mm (2.36"), 75mm (2.96"), 80mm (3.14"), 100mm (3.93"), 125mm (4.92"), 150mm (5.90").

Length:

1.2 meters (3.93'), 2 meters (6.56'), 3 meters (9.84'), 4 meters (13.12') and 5 meters (16.4') etc.

Surface:

Smooth and textured, with or without talc or silicone coating

Supply Form:

Rolled and banded with latex free rubber bands and tabbed

Colour:

Blue, White, Orange, Green.

They could be customized for thickness, width, length, color or surface for special orders.

Utility:

Esmarch bandage (also known as Esmarch's bandage for surgical haemostasis or Esmarch's tourniquet) in its modern form is a narrow (5 to 15cm wide) soft rubber bandage that is used to expel venous blood from a limb (exsanguinate) that has had its arterial supply cut off by a tourniquet.

The limb is often elevated as the elastic pressure is applied. The exsanguination is necessary to enable some types of delicate reconstructive surgery where bleeding would obscure the working area.

A bloodless area is also required to introduce local anaesthetic agents for a regional nerve block. MediElast Esmarch Bandages are ideal for orthopedic blood-less surgery, they stop the blood flow during surgeries. They are narrow strips of elastic TPE sheetings.



MediElast Latex Free TPE Tapes:



These are used in various applications viz. ear loops for surgical face masks, caps and disposable apparels like gowns, gloves, shoe covers etc. It is manufactured from Latex free TPE

Specifications:

Product: Latex Free Thermo Plastic Elastomer

Standard Sizes:

Thickness:

0.2mm (0.007"), 0.38mm (0.014"), 0.5mm (0.196"), 0.63mm (0.024"), 0.7mm (0.027"), 0.83mm (0.032"), 1.0mm (0.039"), 1.2mm (0.047")

Width:

Any width up to 1000mm (39.37")

Length:

Standard rolls as per customer requirements are available

Surface:

Smooth or textured, with or without talc or silicone coating

Colour:

Snow white, Grey black, Blue, Orange, Pink, Green etc.



MediElast Latex Free TPE Hospital Bed Sheets substitute of conventional rubber sheets.



These sheets are manufactured from TPE. It is soft, comfortable and antiallergic. They are used for hospital bed mattress protection, water, alcohol and phenol resistant and steam sterile. Washable with detergent and luke warm water and non-reinforced.

Specifications:

Product: Latex-Free Thermo Plastic Elastomer.

Standard Sizes:

Thickness:

0.2mm (0.007"), 0.38mm (0.014"), 0.55mm (0.021"), 0.63mm (0.024"), 0.7mm (0.027"), 0.83mm (0.032"), 1.0mm (0.039")

Width:

Any width up to 1000mm (39.37")

Length:

Any length in roll form or cut to length .

Surface:

Smooth or textured, with or without talc or silicone coating.

Colour:

Snow white, Grey black, Blue, Orange, Pink, Green etc.



Test Report of Latex Free TPE Sheetings



Properties	Unit	Results
Thickness	mm (inch)	0.20 (0.007") +/- 10% 0.35 (0.013") +/- 10% 0.55 (0.021") +/- 10% 0.63 (0.024") +/- 10% 0.70 (0.027") +/- 10% 0.83 (0.032") +/- 10% 1.0 (0.039") +/- 10% 1.2 (0.047") +/- 10%
Hardness	Shore A	40 +/- 5
Specific Gravity	gms/cu.cm. or lbs/cu.in.	0.89/0.026
Modulus at 100% Elongation	Kg sq. cm or psi	0.807/125 +/- 10%
Tensile Strength at Break	Kg sq. cm or psi	118.04/1675 +/- 10%
Elongation at Break	%	975 +/- 10%
Tension Set @ 450% Elongation	%	20
4th Cyclic Recovery Test @ 200% Elongation	%	95-100



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