

**TECHNICAL TEXTILES – PART XXII**

REF: TT/ APR 2022/ WK 2

**ClothTech or Clothing Textiles**

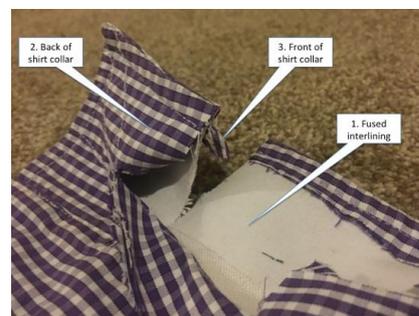
Clothtech or Clothing Textile is one of the category of technical textiles which includes textile components used in apparel and footwear. The products covered under clothing textiles are zippers, labels, sewing threads, elastics, insulating fiber fills, waddings, shoelaces, draw cords, velcro, umbrella cloth, and interlining cloths, etc. Shoe components like fabric, sole materials, shoelaces, and fillings are the other application of this category.

Clothing textiles adds functional properties in the end product that enhance adaptability, elasticity, insulation, resistance, and increase in wearing comfort. It adds resistance to water or fire and increases performances with breathability.

Features of clothing textile material
Durable, smooth, and lightweight textile.
Resistant to abrasion and water-resistant.
Stable under high temperature and pressure.
Resistant to UV radiations and corrosion.

***Different application areas of clothing textiles are:***

- **Sewing thread** – Sewing thread is a ply yarn used for stitching of apparels, hosiery, embroidery, footwear, leather goods, mattresses, sports goods, industrial gloves, etc. Sewing threads are made of natural fibers like cotton, silk or synthetic fibers like nylon, polyester or their blends.
- **Interlining** - Interlining is a fabric used between the inner and outer layer of the garment to improve shape retention and strength. Thus, ensures accurate fit and wearer comfort. Interlinings are used in the waistbands, pockets and belt loops of men's trousers; in the cuffs, collars and plackets of shirts and in the fronts, collars and pockets of jackets and blazers. Interlining are woven, knitted or nonwoven made out of cotton, polyester, polyester/cotton or polyester/viscose blend.



**Fig 1.1 Interlining in a shirt collar**  
Ref: heddles.com



- **Shoe lace** - A shoelace consists of two components - a tape that pulls the shoe tightly together and an aglet, the hardened taped end that fits through the eyelets on a shoe. Shoe Laces are also used in kids wear, shopping bags, office stationary, home decoration etc. Shoe laces are made of polyester, cotton and nylon. Polyester shoe laces are widely used because of high durability and good anti-slip properties.
- **Labels** - A number of types of woven fabric labels are used on garments and other textile products. It is important for best effect to choose the most appropriate clothing label.



Fig 1.2 Labels

Ref: safetynet.co.in

Common types of woven labels		
DAMASK	SATIN	TAFFETA
This is the most common type of garment label. It is used when finer images or texts are required. It gives better clarity in designs, uniform weave, with durability.	Satin clothing labels are smooth, shiny, lustrous, soft appearance, and better feel type of label.	These labels are woven with a plain weave ground or base. This is a tight weave structure and produces a very stable, durable label. These labels are used for care instruction labels.

- **Zip Fasteners** - Zip fastener is a commonly used device for binding the edges of an opening of fabric on a garment or a bag. It is used in clothing, bags, sporting goods, camping gear etc.

References:

1. <https://www.technicaltextile.net/>
2. <http://bch.in/>
3. <http://ittaindia.org/>
4. <https://textilevaluechain.in>

.....To be continued.....

UNSCRAMBLE THE JUMBLE WORDS
CTRTRJEU
OPSTCEK
CODEONITRA
TRUSNITICON

Last week`s Answers: 1) DISPLAYS 2) TARPAULIN 3) SEISMIC 4) DENSITY

Wishing you a great week ahead!

Technical Tuesdays is a knowledge sharing initiative by Resil Chemicals Private Limited  
[arc@resil.com](mailto:arc@resil.com) | [www.resil.com](http://www.resil.com).