

TECHNICAL TUESDAYS

TOPIC: Properties of Textile Fibre

REF: TT/ Aug 2016/ WK 2

Properties of textile fiber:

For optimum quality and efficiency of a fabric, textile fibers must possess some vital properties. The properties essential for textile fibers are described below:

Predominantly the properties of textile fibers fall under three categories, namely:

- A) Physical properties
- B) Mechanical properties
- C) Chemical properties

A) Physical properties

1. Length
2. Fineness
3. Crimp
4. Maturity
5. Luster
6. Softness
7. Resiliency
8. Work of rupture
9. Density
10. Appearance
11. Flexibility
12. Toughness
13. Elongation

B) Mechanical Properties

1. Strength
2. Elasticity
3. Extensibility
4. Rigidity

C) Chemical Properties

1. Solubility in aqueous salt
2. Solubility in organic salt



Additional to the above mentioned properties, textile fiber also possess the following properties:

- 1. Thermal Properties**
- 2. Torsional Properties**

Wishing you a great week ahead!

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