

PILLING AND ABRASION TESTING

Pilling:

A garment is considered to be serviceable when it is fit for its particular end use.

- ➡ It is a fabric surface fault characterized by little pills of entangled fibre clinging to the cloth surface and giving the garment an unsightly appearance.
- ➡ Formed by rubbing action on loose fibres that are present on the fabric surface.
- ➡ Stronger component in the blend aggravated its seriousness.
- ➡ Higher breaking strength and lower bending stiffness results more pill.
- ➡ Low twist factor, higher hairiness, and loose fabric structure results easy and large pills (knitwear)

Measurement of fabric pilling:

a) Objective method:

Counting the number of pills or by removing and weighting them.

Time consuming, also does not take into account the degree of colour contrast with the ground.

b) Subjective method:

By comparing it with either standard sample or with photograph or by the use of a written scale of severity.