

COMMON FABRIC DEFECTS AND ITS CAUSES (НАЙПОШИРЕНІШІ ДЕФЕКТИ ТКАНИН ТА ПРИЧИНИ ЇХ ВИНИКНЕННЯ)

Попов Я.О., гр. ПТ – 19

Наукові керівники: канд. техн. наук, доц. **А.О. Колесник**,

доц. **О.О. Мануєнкова**

Харківський державний університет харчування та торгівлі

Common Defects of Fabrics during manufacturing process includes back fabric seam impression, birds eye, bowing, broken colour pattern, colour out, colour smears, crease mark, drop stitching, dye streak in printing, hole, jerk in, knots, mixed yarn, mottled, needle line, open reed, pin holes, press off etc.

Table 1

Common fabric defects

Defect	Cause	Severity
Skew or Bias	Condition where filling yarns are not square with wrap yarns on woven fabrics or where courses are not square with wale lines on knits	Major or Minor
Back Fabric Seam Impression	Backing fabric is often used to cushion fabric being printed. If there is a joining seam in the backing fabric, an impression will result on printed fabric	Major
Barre	Occurs in circular knit. Caused by mixing yarn on feed into the machine. Fabric will appear to have horizontal streaks	Usually Major
Birds Eye	Birds eye often caused by unintentional tucking from malfunctioning needle. Usually two small distorted stitches caused side by side	Major or Minor
Burl Mark	When a slub or extra piece of yarn is woven into the fabric, it is often removed by a “burling tool.” This will usually leave an open place in the fabric	Major
Bowing	Usually caused by finishing. Woven filling yarns lie in an arc across fabric width. It is critical on stripes or patterns and not as critical on solid color fabrics	Major or Minor

Major defect is a defect that, if conspicuous on the finished product, would cause the item to be a second. (A «second» is a garment with a conspicuous defect that affects the salability or serviceability of the item.)

Minor defect is a defect that would not cause the product to be termed a second either because of severity or location. When inspecting piece goods prior to cutting, it is necessary to rate questionable defects as a major, since the inspector will not know where the defect may occur on the item.