

INVESTIGATION OF KNITTED FABRIC SEWABILITY

V. PARTHASARATHI & S.P.DHEEPIKA

Department of Fashion Technology College of Technology Coimbatore. India

ABSTRACT

Single Jersey knit fabrics of same composition (100% cotton) having different GSM are tested in terms of sewability. The fabrics are sewn with 100% polyester thread and then tested in L&M tester. The obtained results are analysed based on its mechanical and dimensional properties of the fabric, sewing thread and seam. The properties like seam strength, seam puckering and seam efficiency are analysed. The fabric tensile property is one of the main factors contributing towards its sewability. The production performance of the fabrics were also analysed. It was concluded that by needle optimization we can gain direct benefits like production improvement, defect rate reduction and avoiding excess production.

KEYWORDS: *Different GSM, Mechanical and Dimensional Properties, Production Improvement*

Received: Jan 23, 2016; **Accepted:** Apr 08, 2016; **Published:** Apr 16, 2016; **Paper Id.:** JTFTJUN20161