ISSN 0973-7189
STUDIES ON
HOME AND COMMUNITY SCIENCE

PRINT: ISSN 0973-7189 ONLINE: ISSN 2456-6780
Stud Home Com Sci, 6(1): 33-38 (2012)
DOI: 10.31901/24566780.2012/06.01.06

Performance of Jute Viscose/Polyester and Cotton Blended: Yarns for Apparel Use

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KEYWORDS Union Fabric. Blending. Weaving. Properties. Apparel Uses

ABSTRACT During the investigation, a quaternary blended fabric was prepared and also studied their utility and mechanical properties. Under these properties Weight per Unit Area, Crease Recovery, Abrasion Resistance, Pilling, Water Absorbency, Water –Vapor – Permeability, Drapeability, Stiffness properties were assessed. The plain woven union fabrics have been prepared from three different ratios of blended yarns of jute viscose/ polyester with cotton (ratio 30/70,50/50,70/30). The fabric construction was done by using plain weave. Jute viscose/polyester used 30/70, 50/50, 70/30 ratio in the filling direction and 100% cotton was used in warp direction. It was observe that 30/70 jute viscose/polyester union fabric is better than other ratio and it also reduce the cost of the product. But crease recovery and water absorbency of this fabric was poor but in this fabric cotton was used in warp direction so it overcame this property.