

POSSIBILITY OF USING POLY BAG YARNS FOR HANDLOOM TEXTILES

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At present the excessive use of polythene has contributed to the issue of environmental pollution. Hence, it is vital to find applications for used polythene. This would lessen the negative impact on the environment. The study mainly focused on reusing polythene bags as yarns and the possibilities of using polythene yarns for handloom textile in a creative manner. The research problem was how to reuse poly bags and reduce environmental pollution. Main aim of the study was investigating the possibility of using polythene yarns for handloom textiles. A questionnaire survey was conducted (age between 18 to 45) to obtain data related to the attitudes of the consumers using polythene yarn, and the present state in the handloom market. Additionally, experimentation results were used as the primary data while using books, electronic journals and databases as secondary data. Both qualitative and quantitative methods were used to analyse the data. The results revealed that the textiles woven by using polythene yarns were more flexible, strong, comparatively higher in quality and finish, and was easy to handle in weaving. It is also evident that poly bag yarns and cotton yarns together generate interesting textures that could be appropriately used in book covers, jewellery, table covers, table mats, wall hangings, bags, shoes, accessorized garments and other ornamentations. The test result proved that thicker yarns absorb more liquid while thinner yarns limit the absorbency resulting higher finishing quality of end fabric. Moreover, the questionnaire survey revealed that 53 % of consumers were in need of a "change" in the accessories done by handloom and out of them 61 % agreed using handloom textiles with poly bag yarns. This research study open up avenues to explore recycling poly bags and polythene as yarn in handloom textiles in a creative way to reduce environmental pollution.

Keywords: Aesthetic, Environmental pollution, Handloom, Polythene yarns, Recycle