

THE QUALITY OF FANCY YARN: PART I: METHODS AND CONCEPTS

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ABSTRACT

The subject of quality of fancy yarn has recently expanded into a new perspective. Whereas the traditional method of assessing the quality of fancy yarn depends on the judgement of experts on fancy yarn, the new approach depends upon more objective methods. The methods which are already available in the literature were put forward to quantify some of the structural characteristics related to fancy yarn. The concepts and factors presented in this article are introduced as a complete package to assess the structural features of fancy yarns. These include the Shape Factor of Fancy Yarn, the Relative Shape Index of Fancy Yarn, the Circularity Ratio of Fancy Profiles, the Actual Length of the Fancy Profiles, the Total Length of the Fancy Profiles and the Fancy Length Index of Fancy Yarn.

KEYWORDS: Quality of Fancy Yarn, Structural Features of Fancy Yarn, The Shape Factor of Fancy Yarn, The Relative Shape Index of Fancy Yarn, The Total Length of Fancy Profiles, The Fancy Length Index of Fancy Yarn, The Circularity Ratio of Fancy Profile