OPTIMIZATION OF PROCESS PARAMETERS IN ELI-TWIST YARN

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ABSTRACT

Eli-Twist yarn, emerged out in the recent days produced by Suessen Elite compact spinning technology has been found to be technically and economically superior when compared to the two-ply yarns. The quality of this Eli-twist yarn is governed by many parameters. The distance between roving strands and the negative pressure applied in the suction has substantial effect on the quality aspect of these yarns. To assess the yarn quality the concept of CPK (Process Capability Index) could be used effectively. An attempt has been made to implement the concept of CPK in the analysis of the properties of Eli-twist yarn.

KEY WORDS: Compact, Count, Eli-twist, Hairiness, Yarn.