عنوان مقاله:

Study on the Effects of Yarn Twist and Yarn count on Hairiness and Friction Properties in Polyester-Viscose Ring spun Yarns

محل انتشار:

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خلاصه مقاله:

The effects of yarn twist and yarn count was studied on hairiness and hair lengths of polyester-viscose ring spun yarn. Two different types of yarn count with different twistfactors were produced and the hairiness of the yarn and also the friction coefficient of the yarn against a metal surface were measures. The results showed that by increasing of the yarn twist, the yarn hairiness is reduced due to more penetration of twist on spinning triangle and better movement of fibers on body of yarn. The reduction of the yarn longer hair lengths is more than shorter hair lengths due to increasing of migration of longer length fibers. The shorter hair length groups in the yarn increases by decreasing of the yarn count. The effect of yarn twist on friction properties of the yarn was also studied. The results indicated that the friction coefficient of the yarn against metal surfaces has not affected by the yarn twist.

کلمات کلیدی:

Yarn Hairiness, Twist, Ring spun yarn, Friction properties, Hair length group