INFLUENCE OF RING TRAVELLER ON YARN QUALITY ASSESSMENT OF FLAX/COTTON BLEND

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ABSTRACT

The blending of flax/cotton fibres (10/90\%) was carried out on the Trutzshler Multi-Mixer MCM with 6 trunks. The blended material was processed into roving hank of 0.6 ktx. The spinning of roving into yarn was done on double sided Zinser 319 ring spinning machine using five different sizes of ring travellers. The spun yarns (39 tex) were analysed in order to determine their yarn quality such as imperfections, tenacity, count, twist and hairiness. The experimental results obtained indicate that yarn tenacity, hairiness and imperfections are the major properties that were fully affected while count and twist were fairly affected due to variation in the size of travellers.

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