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References

1. *Goswami B.C., Anandjiwala R.D., Hall D.M.: Textile Sizing, Marcel Dekker, Inc., New York, Basel, 2004, ISBN: 0-8247-5053-5.*
2. *Kovačević S., Penava Ž.: Impact of Sizing on Physico-mechanical Properties of Yarn, Fibres & textiles in Eastern Europe, Vol. 12, No. 48 (4), 2004, pp. 32-36.*
3. *Soliman H.A.: Evaluation of Sizing as Conntrolling Parameter in the Tendency to Yarn Entangling, ITB Garn-und Flachenherstellung, Vol. 41 (2), 1995, pp. 42-44.*
4. *Pleva R., Rieger W.: Measurement and Optimization of Size Pick-up, Textile Praxis International, Vol. 47 (3), 1992, pp. 230-232.*
5. *Sejri N., Harzallah O., Viallier P., Amar S. B., Nasrallah S. B.: Influence of Prewetting on the Characteristics of a Sized Yarn, Textile Research Journal, Vol. 78, 2008, pp. 326-335.*
6. *Johnen A.: Experiences in wet-in-wet sizing, Melliand International, Vol. 11 (March), 2005, pp. 34-36.*
7. *Hyrenbach H.: Partical experience with the prewetting proces in sizing, Melliand International, Vol. 8 (December), 2002, pp. 251-252.*
8. *Wunderlich W., Stegmaier T., Hager T., Planck H.: Einfluss des Vornetzens von Compactgarnen auf das Webverhalten, Melliand Textilberichte, Vol. 11-12, 2005, pp. 813-817.*
9. *Wunderlich W., Stegmaier T., Trauter J.: Fundamentals of pre-wetting staple fibre yarns, Melliand International, Vol. 8 (March), 2002, pp. 43-45.*
10. *Rozelle W. N.: Pre-wet Sizing System Bases on Water Atomization, Textile World, Vol. 151 (3), 2001, pp. 28-30.*
11. *Rozelle W. N.: Pre-wet: New Money Maker in Warp Sizing Operations, Textile World, Vol. 149 (5), 1999, pp. 73-79.*
12. *Sherrer A.: Benninger: SaveSize Pre-Wet Warp Sizing, Textile World, Vol. 150 (4), 2000, pp. 42-43.*
13. *Bernstein S., Bernstein R.: Elements of statistics II: Inferential Statistics, McGraw-Hill, New York, 1999, ISBN: 0-07-005023-6.*

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