<<纤维学会2009春季国际会议论文集>>

图书基本信息

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内容概要

《纤维学会2009春季国际会议论文集（英文）（套装上下册）》是与2009国际纤维学会年会配套出版的论文集，本次会议由美国纤维学会主办，东华大学协办。
论文集共收录了国内外四百余篇关于纺织纤维、材料等方面的最新研究动态及成果论文，分上下两卷，共由9部分组成，分别是高分子及纳米技术，纺织加工技术，印染、后整理和生物技术，医用纺织品，功能和智能纺织品，纺织检测，产业用纺织品，时装设计、纺织史与纺织美学，零售、市场营销与管理。
全部采用英文编写，并由IsTP收录。
可供从事纺织、纤维材料、印染等行业的科研、教育等相关人士阅读、参考。

书籍目录

章节摘录

插图：Three-point flexural test resultsAs shown in figure 4, for the deflection alongthe wale direction and course direction, thecomposite PKFW is observed with biggestdeflection among the three composites, which isattributed to the larger deformation subjected tothe flexural load at the center of sample,compared with woven fabric.For the flexural stress along the two directions,composite WFPK is observed with the higherflexural stress than that of composite PKFW, andboth of them are lower along the wale directionand higher in course direction than that ofcomposite WFOK.There exists one difference between flexuralspecific energy along the wale direction andcourse direction. Composite WFPK shows thehigher flexural specific energy than composite WFOK in wale direction and lower in coursedirection, however, Composite PKFW ranksbetween them two along both wale direction andcourse direction.In all the curves including the wale direction andcourse direction, the stair-like deformation trendcan be observed when subjected to the threepoint flexural tests. This exactly represents thefailure process from the beginning to break. Atthe beginning, the sample undergoes one lineardeformation. From then on the slope the curveslows down due to the cracks occurred and grewon the matrix. One sharp drop is observed afterthe peak stress because of the break of wovenlayer with the comparatively lower strain atbreak. The flexural stress increases a littleduring the break of knitting layer reinforcementwhereas some curves show this wholly and somepartly.

编辑推荐

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