1995 JOINT CONFERENCE OF THE FIBER SOCIETY SPRING CONFERENCE, 65TH ANNUAL CONFERENCE OF TRI/PRINCETON AND 2ND ANNUAL CONFERENCE OF NONWOVENs COOPERATIVE RESEARCH CENTER, RALEIGH, NC.

Mechanical Properties of Fibers

Water in Twaron p-aramid and the Effect upon Mechanical Properties
A.A. SCHAAP, H. v.d. WERFF, M.H. SEHKA
Probing the Failure Surface of High Strength Fibers
PHILIP CUNNIFF
Mechanical Property Modification of Aramid Fibers by Polymer Infiltration
A. NETRAVALI and A. MATHUR
Ultimate Mechanical Properties of the Basalt Filaments
JIRI MILITKY and VLADIMIR KOVACIC
The Effect of Surface Defect Geometry on the Tensile Failure of Aminolyzed Poly(ethylene terephthalate) Fibers
SARAH A. HOLMES

Textile Technology/Characterization

Analysis of Fabric Roll Making
TUSHAR K. GHOSH and HONG PEN
The Effect of Mutual Bonding of Textile Layers on Thermal Insulation and Thermal Contact Properties of Fabric Assemblies
LUBOS HES, MARIO DE ARAUJO and VALENTIN DJULAY
Improvement of the Performance and Comfort of Ramie and its Blends
K.P.S. CHENG and Y.L. HOW
Applying Fourier Transform Analysis to Geometric Characterization in Woven Fabric
SAID ABDELKARIM HOSSEINI RAVANDI
Study of Strengths of Woven Fabrics
NING PAN
Symposium On Nonwovens I

Geometrical Probabilities on Random Fiber Webs - Theories and Some Simulation Results
    MOON SUH
Measurement of Web Structure On-Line - A Potential Technique
    HAWTHORNE DAVIS, RADHAKRISHNA VEERABADRAN, SUBHASH K. BATRA and ARTHUR C. BULLERWELL
The Effect of Sterilizing Radiation on Nonwoven Fabrics
    W. CHAPPAS, B. POURDEYHIMI
A Review of Different Methods for Assessing Fiber Orientation in Nonwovens
    B. POURDEYHIMI, R. RAMAMATHAN
Structure and Properties Development in a Spunbonding Process
    DONG ZHANG, GAJANAN S. BHAT, SANJIV R. MALKAN and LARRY C. WADSWORTH

Symposium On Nonwovens II

Performance Evaluation of Nonwoven Geotextiles in Soil-Fabric Interaction
    HONGLIAN ZHAI, SUMITA BASU MALLLICK and SABIT ADANUR
Predicting the Leakage Performance of Incontinence Pads Using Laboratory Tests
    ALAN COTTENDEN, GRAHAM DEAN and RODNEY BROOKS
Absorbency Behavior of Webs Containing Cellulosic and Noncellulosic Fibers
    B.S. GUPTA

Composite Structures

Modeling for Suppression of Moisture/Temperature Induced Dimensional Changes in Fibrous Composite Structures
    YIPING QIU and STANLEY BACKER
Evaluation of Composite Manufacture Using Braided Towpregs
    A. RAMASAMY, Y. WANG and J. MUZZY

Fiber Characterization

Influence of PET Microstructure on Penetrant Diffusion Kinetics
    D. R. SALEM, X.X. HUANG and H.-D. WEIGMANN
Ultra-Violet Stabilization of Polyester Fibers
    S. B. RUETSCH, X.X. HUANG, D.R. SALEM and H.-D.WEIGMANN
SEM, EDS and FTIR Examination of Archaeological Mineralized Plant Fibers
    H. L. CHEN, K. A. JAKES and D.W. FOREMAN
Starch Fibers; Processing and Characteristics
    DANA EAGLES, DANIEL LESNOY and SANDRA BARLOW
Textile Technology

Developments in Automatic Control of Sewing Parameters
   A.M. ROCHA, M.F. LIMA, F.N. FERREIRA, M.D. ARAUJO
Evaluation of the Product Quality and Performance of Siro-Spun Silk / Siro-Spun Silk Blended Yarns
   M. SHIVAKUMAR, Y.V. NAGABHUSHANAIAH and T.H. SOMASHEKAR

Fiber Formation

Can Improved Fibers be Obtained via Spinning from Crystalline Polymer Inclusion?
   N. VASANTHAN, G. McKINNEY and A.E. TONELLI
Shear Precipitated Chitosan Fibrils
   SAMUEL HUDSON and SONJA SALMON
Formation of Gels from Cellulose/Ammonia/Ammonium Thiocyanate Solutions
   MARGARET W. FREY, JOHN A. CUCULO, and NORMAN AMINUDDIN
The Spinning of Cellulosic Fibers with NMNO as a Solvent
   B. LASKIEWICZ

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Raleigh, NC