

Editorial Program

Man-Made Fiber Year Book 2011

Chemical Fibers International

Fiber Polymers, Fibers,
Texturing and Spunbonds

Textile
Technology

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Fiber Raw Materials

Global market trends for fiber raw materials

Direct recycling of PET fiber waste with MRS extruder
(Gneuß Kunststofftechnik GmbH, Bad Oeynhausen/Germany))

PET MTR resin – a success story
(E. van Endert, Uhde Inventa-Fischer GmbH, Berlin)

New PET bottle recycling spinning technology for polyester yarn industry
(S. Wei, Beijing Chonglee Machinery engineering Co., Ltd., Beijing/China)

Fiber in-house recycling – experiences and challenges of industrial practice
(U. Thiele, Polyester Technology Service, Bruchköbel/Germany)

Fibers

New man-made fiber developments

World textile fiber business trends
(E. Hayes, Poughkeepsie, NY/USA)

Cotton's impact on other fibers
(D. Collier, N. Bywater, Tecnon OrbiChem Ltd., London/UK)

Global man-made fiber trends

Global industrial yarn markets

Global carbon fiber capacities

50th Man-made Fibers Congress Dornbirn 2011

European market trends for polyolefins (EATP, Brussel/Belgium)

Hybrid polyester yarn for automotive fabrics with improved elastic recovery
(D. Özdemir, Korteks Mensucat San., Bursa/Turkey))

The carbon fiber market – an overview of the present situation
(M. Warnecke et al., RWTH Aachen University, Aachen/Germany)

Nano-modified PA 6 yarns for technical applications
(P. Kravaev et al., RWTH Aachen University, Aachen/Germany)

Nanofiber-covered yarns
(O. Jirsak et al., Technical University of Liberec, Liberec/Czech Republic)

Temperature regulating textile fibers containing large amounts of PCM
(B. Hagström, Swerea IVF, Mölndal/Sweden)

Flame-retardant fibers for protection and safety textiles
(R. Jaraus, PyroTex GmbH, Hamburg/Germany)

Superabsorbent bicomponent staple fiber (W. Stefani, Trevira GmbH, Bobingen;
A. Kirchberger, Universität Erlangen/Germany)

Natural volcanic rock fibers
(D. Pico et al., RWTH Aachen, Aachen/Germany)

→ P.T.O.

Global elastane yarn markets

Spandex (elastane yarn) – expanding prospects
(D. Hart, PCI Fibres, Harrogate/UK)

Structure and functionality of steam-jet fiber Felibendy
(S. Kiyooka, Kuraray Kuraflex Co., Ltd., Okayama/Japan)

New PA/PE bicofiber for artificial turf
(EMPA, St. Gallen; Tisca Tiara AG, Bühler/Switzerland)

New yarn technology for artificial turf (Colbond BV, Arnhem/Netherlands)

New fiber and yarn developments

Fiber Production

Project list of new polymer and chemical fiber plants 2010

Polymer – made by Oerlikon Barmag
(J. Langfeld, R. Schneider, Oerlikon Barmag, Remscheid/Germany)

Spin finish – only processing aid or high performance lubricant with different functionalities? (J. Weigel, Clariant International Ltd., Muttenz/Switzerland)

Nanofiber spinning installations (A. Desch, Dienes Apparatebau GmbH, Mühlheim; F. Reiter, Reiter GmbH Oberflächentechnik, Winnenden/Germany))

Filament breaches during air-gap spinning
(B. Wirth et al., RWTH Aachen University, Aachen/Germany))

Texturing

World market trends for texturing machinery

Global textured yarn costs (ITMF)

The main Asian and Middle East draw-textured yarn markets
(A. Steingass, J. Lakraa, Oerlikon Barmag, Remscheid/Germany)

Online tension sensor system for false-twist draw-texturing machines
(H. Keser, Retech AG, Meisterschwanden/Switzerland)

Wicking behavior of air-jet textured yarns
(M.Y. Gudiyawar et al., DKTES Textile & Engineering Institute, Ichalkaranji/India)

Cost-efficient automation solution for BCF carpet yarn plants with modular winder
(D. Horcher, H. Schumacher, Siemens AG, Nürnberg and Kiel/Germany)

Nonwovens

Global market trends for nonwovens

New structures for resorbable polymers
(R.W. Slack, Fibre Extrusion Technology, Leeds/UK)

Biopolymers for nonwovens – environmentally beneficial, technically advantageous, commercially feasible (E. Tighe, NatureWorks LLC, Minnetonka/USA)

Spunlaid cellulose nonwovens (L. Gerking, Nanoval GmbH, Berlin/Germany)

Cupro filament nonwovens Bemliese (Asahi Kasei Fibers)

Elastomeric durable nonwovens through the use of novel bicomponent fiber cross-sections (N. Anantharamaiah, The Nonwovens Institute, Raleigh, NC/USA)

Buyers' Guide: Fiber Production