

Index 2004

Volume 54

Index of Authors	page	page	page
Alexander, J.: Polymer filters with preliminary cleaning	386	Catone, D.L.: Nano-particle additives for PET	25
Antoine, J.-M., Pirotte, F., Bernardin, C., Ruys, L., Belly, M., Pauquet, B., Delfosse, P.: 3D crimp measurement of fibers and filaments (abstract)	244	Cayer-Barrioz, J.: Wear mechanisms of oriented polymers: an application to the abrasive wear of PA fibers	377
Atkinson, C., Spahlinger, J., Fischer-Fürwentsches, P.: Temcooler: direct active yarn cooling in draw-texturing	336	Charaf, F.: Consolidation and restructuring of the PA industry	64
Bahners, T., Schollmeyer, E., Opwis, K.: Improvement of the alkali resistance of PET fibers by photochemical modification using excimer-UV lamps	116	Cialdini, J.L., Stumpf, V., Wimmer, A.: Fluoropolymer fibers meet nonwoven technology	31
Baumgartinger, J.: State-of-the-art in spin finish determination offline and online	244, 397	Claussen, H.: Engineering services – one key to success	179
Beckmann, M.: First experiences with new CarpetTwister/CarpetCabler	55	De Decker, S., Ruys, L., Vanneste, M.: Improvement of yarn processing by adapting filament cohesion (abstract)	244
Belly, M., Paquet, B., Delfosse, P., Antoine, J.-M., Pirotte, F., Bernardin, C., Ruys, L.: 3D crimp measurement of fibers and filaments (abstract)	244	Delfosse, P., Antoine, J.-M., Pirotte, F., Bernardin, C., Ruys, L., Belly, M., Pauquet, B.: 3D crimp measurement of fibers and filaments (abstract)	244
Berghof, K., Eilers, M., Melle, J., Mooz, M.: Thermo-resistant lyocell fibers	34	Dobbelstein, H.: Soiling behavior and processability of solution-dyed PA 6 BCF yarns	127
Bernardin, C., Ruys, L., Belly, M., Pauquet, B., Delfosse, P., Antoine, J.-M., Pirotte, F.: 3D crimp measurement of fibers and filaments (abstract)	244	Eilers, M., Melle, J., Mooz, M., Berghof, K.: Thermo-resistant lyocell fibers	34
Berndt, K.G., Klis, G.: Elast-Ter monofilaments - success through definable elasticity (abstract)	235	Einmann, M., Schmidtbauer, J., Gayrine, P., Martinetti, R., Schobesberger, H.: Iontex – viscose fibers with ion exchange properties	108
Beyreuther, B., Hoffmann, M., Tändler, B., Vogel, R.: Crosslinked polyolefin fibers with elastomeric properties (abstract)	234	Elghossain, M.: Advanced continuous filtration method for polymer melts	112
Bildhauer, M.: A touch of magic for your carpets – non migrating PA BCF spin finishes (abstract)	242	Everaert, V., Herrygers, V., Ruys, L.: Understanding the impact of functional additives in PP fiber extrusion	192, 228
- Non-migrating PA BCF spin finishes	390	Fellinger, M.: Energy saving in PET recycling	53
Brakemeier, K.: Emulsion or neat oil application in PET technical yarn processes?	188	Fiedler, K., Schoengen, A., Stepanski, M.: Process innovations bringing DMT back into the polyester chain	84
Braun, M., Leineweber, D., Burghaus, R.: Optimization of a spandex dry spinning process (abstract)	234	Fischer-Fürwentsches, P., Atkinson, C., Spahlinger, J.: Temcooler: direct active yarn cooling in draw-texturing	336
Brenk, J.: Higher added values for PET staple fibers and spunbonds	37	Fochesato, A.: Polymer modifier suppression of speed induces crystallinity in PET and copolyester (abstract)	228
Brück, M., Haas, B.: Polyphenylene sulfide (PPS) as high performance polymer for fibers (abstract)	228	- New polymer additive for polyesters	384
Burghaus, R., Braun, M., Leineweber, D.: Optimization of a spandex dry spinning process (abstract)	234	Föller, A.: Activities of the association TEGEWA and its Spin Finishing Working Group for the man-made fibers industry (abstract)	242
Burrow, T.R.: Recent advances in chemically treated lyocell fibers	304	Fritze, C.: Metallocene catalysts for PP nonwovens	232
Castiglioni, M., Meyer, U.: Modern drive technology – the key for high production in draw-texturing	123	Fuchs, H., Schilde, W., Gulich, B.: Nonwoven manufacture – ITMA 2003 ...	197
		Fürderer, T., Gries, T.: Influence of godet surface POY material on the quality of FDY	44
		- Satlow, G., Gries, T.: Different ways to produce elastic textiles (abstract)	234
		Gaymans, R.J.: Elastic fiber properties of a thermoplastic elastomer with crystallizable segments of uniform length (abstract)	235
		Gayrine, P., Martinetti, R., Schobesberger, H., Einmann, M., Schmidtbauer, J.: Iontex – viscose fibers with ion exchange properties	108
		Gerking, L.: Nanoval process – unique hydrodynamic effect	261
		Gneuß, D.: Process optimization in the manufacture of spandex or elastane dope	114
		Goossens, B., Popescu, R., Rückert, I.: What phosphorous chemistry can accomplish for man-made fiber finishes	392
		Gries, T., Fürderer, T.: Influence of godet surface POY material on the quality of FDY	44
		- Fürderer, T., Satlow, G.: Different ways to produce elastic textiles (abstract)	234
		- Linnemann, B., Sri Harwoko, M.: Piezoelectric PVDF multifilament yarns	254
		- Schedukat, N.: Investigation of guidelines for processing new type super-microfilament yarns	330
		Guanqi, Li, Qi, Wang: Healthy functions and their mechanisms of modified soybean protein fibers	307
		Gulich, B., Ortlepp, G., Weiß-Quasdorf, M.: New recycling process for p-aramid fibers from fabric wastes	171
		- Fuchs, H., Schilde, W.: Nonwoven manufacture – ITMA 2003	197
		Haas, B., Brück, M.: Polyphenylene sulfide (PPS) as high performance polymer for fibers (abstract)	228
		Hagen, R., Hess, C.: Melt spinning of elastic fibers - raw materials, processes and resulting properties (abstract)	234
		Halbeisen, M., Schiff, H.: Surface micro- and nano-structuring of textile fibers	378
		Hart, D.: The global elastane market (abstract)	234
		Hehl, R., Schmidt, D.U.: Rotona – more than merely an elastic rotor yarn (abstract)	235
		Heinemann, K., Musch, J., Strubl, R.: Migrations additives with improved efficiency for permanent UV/VIS-stabilization of PA and PET fibers	228, 388

Index of Authors	page		page		page
Herrygers, V. , Ruys, L., Everaert, V.: Understanding the impact of functional additives in PP fiber extrusion (abstract).....228		Liu, Xiaoyan : Bending fatigue properties of single aramid fibers173		Popescu, R. , Rückert, I., Goossens, B.: What phosphorous chemistry can accomplish for man-made fiber finishes242, 392	
- Ruys, L.: Possibilities of bicomponent fiber and yarn spinning.....380		Mackie, G. : Polypropylene expands its grip on world textile markets94		Qi, Wang , Guanqi, Li: Healthy functions and their mechanisms of modified soybean protein fibers307	
Herzberg, M. , Wagner, U.: High-speed texturing with highest flexibility332		Maes, L. : Domo: specialty carpet fibers and yarns355		Ranganathan, S. , Kutsenko, M.: Advances in fiber finish technology for PA BCF yarns48	
Hess, C. , Hagen, R.: Melt spinning of elastic fibers – raw materials, processes and resulting properties (abstract).....234		Mahish, S.S. , Laddha, S.K.: PTT – fiber of the future300		Roock, D. : Phenomenon meltblown.....405	
Heymann, F. : Barmag: new ATY machine for specialty yarns125		Malik, J. , Sidqi, M.: Additives – key to improvement of PA textile grade quality (abstract).....228		Rückert, I. , Goossens, B., Popescu, R.: What phosphorous chemistry can accomplish for man-made fiber finishes392	
Hoffmann, M. , Tändler, B., Vogel, R., Beyreuther, B.: Crosslinked polyolefin fibers with elastomeric properties (abstract)234		Martinetti, R. , Schobesberger, H., Einzmann, M., Schmidtbauer, J., Gayrine, P.: Iontex - viscose fibers with ion exchange properties.....108		Rust, J. : Latest technologies of polyester spinning.....42	
Hunold, D. : Thermo oil plant for PET production in Poland.....370		Mathis, R. : Activities of the association TEGEWA and its Spin Finishing Working Group for the man-made fibers industry (abstract)242		- Schulz, D.: Considerations on efficient manufacturing of polyester FDY310	
Jooma, A. : State of polyester fiber industry in Pakistan and future outlook54		McClelland, E. : Structure-property relationships of fiber finishes and their components on tribological properties and biodegradability (abstract)242		Ruys, L. , Everaert, V., Herrygers, V.: Understanding the impact of functional additives in PP fiber extrusion (abstract)228	
Kaltenecker, O. : Spin finishes drive texturing machinery244, 331		Melle, J. , Mooz, M., Berghof, K., Eilers, M.: Thermo-resistant lyocell fibers34		- Belly, M., Pauquet, B., Delfosse, P., Antoine, J.-M., Pirotte, F., Bernardin, C.: 3D crimp measurement of fibers and filaments (abstract).....244	
Karasiak, D. , Karasiak, W.: Polyester polycondensation 2(1)-reactor process.....160		Meyer, H.-P. , Müllerferli, G., Königstein, V.: New EN 13900-5 - filter pressure value as tool for evaluating degree of dispersion249		- Vanneste, M., De Decker, S.: Improvement of yarn processing by adapting filament cohesion (abstract)244	
Karasiak, W. , Karasiak, D.: Polyester polycondensation 2(1)-reactor process.....160		Meyer, U. , Castiglioni, M.: Modern drive technology - the key for high production in draw-texturing.....123		- Herrygers, V.: Possibilities of bicomponent fiber and yarn spinning.....380	
Karrasch, K. , Koslowski, H.-J., Stillger, M.: Interview: Global market and technology trends in the fiber and texturing industry150		Mooz, M. , Berghof, K., Eilers, M., Melle, J.: Thermo-resistant lyocell fibers34		Salvio, G. : Polyester staple fibers for spunlace nonwovens98	
Kleim, H. : Innovation for polymers.....27		Müllerferli, G. , Königstein, V., Meyer, H.-P.: New EN 13900-5 - filter pressure value as tool for evaluating degree of dispersion249		Satlow, G. , Gries, T., Förderer, T.: Different ways to produce elastic textiles (abstract)234	
- News in polyamid 6 extraction: high thermal treatment of polymers89		Müller-Probandt, S. , Weinsdörfer, H.: Manufacturing process of atmofil DSE yarns320		Schaller, R. , Strubl, R., Heinemann, K., Musch, J.: Migrationable additives with improved efficiency for permanent UV/VIS-stabilization of PA and PET fibers (abstract)228	
Klis, G. , Berndt, K.G.: Elast-Ter monofilaments – success through definable elasticity (abstract)....235		Musch, J. , Strubl, R., Heinemann, K.: Migrationable additives with improved efficiency for permanent UV/VIS-stabilization of PA and PET fibers228, 388		Schedukat, N. , Gries, T.: Investigation of guidelines for processing new type super-microfilament yarns330	
Kloth, J. : Automation system for spunbond pilot line56		Neumann, B. , Stüttem, M.: Unitens – the quality management system is 30333		Schift, H. , Halbeisen, M.: Surface micro- and nano-structuring of textile fibers378	
Koch, T.R.M. : New godets for industrial yarn processes40		Niestegge, R. : Value-adding polypropylene spin finishes189		Schilde, W. , Gulich, B., Fuchs, H.: Nonwoven manufacture - ITMA 2003197	
Königstein, V. , Meyer, H.-P., Müllerferli, G.: New EN 13900-5 – filter pressure value as tool for evaluating degree of dispersion249		Opwis, K. , Bahners, T., Schollmeyer, E.: Improvement of the alkali resistance of PET fibers by photochemical modification using excimer-UV lamps ...116		Schmidt, D.U. , Hehl, R.: Rotona – more than merely an elastic rotor yarn (abstract).....235	
Konrad, B. : Global market trends for PA 66 airbag yarns168		Ortlepp, G. , Weiß-Quasdorf, M., Gulich, B.: New recycling process for p-aramid fibers from fabric wastes171		Schmidtbauer, J. , Gayrine, P., Martinetti, R., Schobesberger, H., Einzmann, M.: Iontex – viscose fibers with ion exchange properties.....108	
Koslowski, H.-J. : Elastic yarn technologies for comfort textiles4		Paquet, B. , Delfosse, P., Antoine, J.-M., Pirotte, F., Bernardin, C., Ruys, L., Belly, M.: 3D crimp measurement of fibers and filaments (abstract).....244		Schoengen, A. , Stepanski, M., Fiedler, K.: Process innovations bringing DMT back into the polyester chain84	
- 50 th anniversary of PP fibers140		Perepelkin, K.P. : Chemical fibers and textiles with specific properties for industrial application, professional and environmental protection101		Schollmeyer, E. , Opwis, K., Bahners, T.: Improvement of the alkali resistance of PET fibers by photochemical modification using excimer-UV lamps.....116	
- Stillger, M., Karrasch, K.: Interview: Global market and technology trends in the fiber and texturing industry150		Pirotte, F. , Bernardin, C., Ruys, L., Belly, M., Pauquet, B., Delfosse, P., Antoine, J.-M.: 3D crimp measurement of fibers and filaments (abstract).....244		Schulz, D. , Rust, J.: Considerations on efficient manufacturing of polyester FDY310	
- More than 30 years think tank for the global fiber and textile industry208		Polet, R. : Permanent antistatic compounds for monofilaments and tapes252			
- Polyolefin fibers remain a growing market272					
- 100 th anniversary of acetate fibers348					
Kutsenko, M. , Ranganathan, S.: Advances in fiber finish technology for PA BCF yarns48					
Laddha, S.K. , Mahish, S.S.: PTT – fiber of the future300					
Law, R.C. : Cellulose acetate in textile application374					
Linnemann, B. , Sri Harwoko, M., Gries, T.: Piezoelectric PVDF multifilament yarns254					
Leineweber, D. , Burghaus, R., Braun, M.: Optimization of a spandex dry spinning process (abstract).....234					

Index of Authors	page	page	page
Seccomandi, G.: Perspectives of the Italian chemical industry for the textile sector (abstract)	242	Stüttem, M., Neumann, B.: Unitens – the quality management system is 30 ...	333
Sidqi, M., Malik, J.: Additives – key to improvement of PA textile grade quality (abstract)	228	Tändler, B., Vogel, R., Beyreuther, B., Hoffmann, M.: Crosslinked polyolefin fibers with elastomeric properties (abstract)	234
Snyder, B.: Development of the Dow XLA elastic fiber (abstract)	235	Taylor, J.M.: Differentiated fabric opportunities for lyocell using innovative dyeing and finishing processes	372
Spahlinger, J., Fischer-Fürwentsches, P., Atkinson, C.: Temcooler: direct active yarn cooling in draw-texturing	336	Thiele, U.K.: Quo vadis polyester catalyst?	162
Sri Harwoko, M., Gries, T., Linnemann, B.: Piezoelectric PVDF multifilament yarns	254	- Polyester plant design and engineering today and tomorrow	230
Stepanski, M., Fiedler, K., Schoengen, A.: Process innovations bringing DMT back into the polyester chain	84	Uhrner, U.: Spinneret cleaning and other cleaning problems	403
Stilger, M., Karrasch, K., Koslowski, H.-J.: Interview: Global market and technology trends in the fiber and texturing industry	150	Uihlein, K.: The future of rayon technical yarns	97
Stock, J.: Staple fibers, friction and spin finishes (abstract)	244	van den Driest, P.: Polypropylene for textile applications	228, 292
Strubl, R., Heinemann, K., Musch, J.: Migration additives with improved efficiency for permanent UV/VIS-stabilization of PA and PET fibers	228, 388	van der Linde, S.: DSM: the caprolactam business must change	28
Stumpf, V., Wimmer, A., Cialdini, J.L.: Fluoropolymer fibers meet nonwoven technology	31	van Enderst, E.: World's largest PBT polymer plant in full production	92
Stündl, M.: New cooling concept for the production of BCF carpet yarns	126	- New economic polyester technology - 2R single-stream PET process	164
		- Flexible polyester plant in 2R technology	368
		Vanneste, M., De Decker, S., Ruys, L.: Improvement of yarn processing by adapting filament cohesion (abstract)	244
		Vogel, R., Beyreuther, B., Hoffmann, M., Tändler, B.: Crosslinked polyolefin fibers with elastomeric properties (abstract)	234
		Vogler, H.: Müller viscose spinning bath and its invention 100 years ago	176
		Wagner, U., Herzberg, M.: High-speed texturing with highest flexibility	332
		Watson, R.N.R.: Improving fiber masterbatch quality and productivity by controlling pigment physics	246
		Watzl, A.: Spunlace meets spunbonding: new spunbond applications	407
		Weber, A.: Latest developments in friction texturing	328
		- Market trends for Taslan air-jet textured yarns	340
		Weinsdörfer, H., Müller-Probandt, S.: Manufacturing process of atmoofil DSE yarns	320
		Weiß-Quasdorf, M., Gulich, B., Ortlepp, G.: New recycling process for p-aramid fibers from fabric wastes	171
		Wheeler, M.: Adding value to textured yarn with fancy yarn components	196
		Wild, C.: Spin finishes and polymer additives: soft - permanent hydrophilic - anti-soiling	244, 314
		Wimmer, A., Cialdini, J.L., Stumpf, V.: Fluoropolymer fibers meet nonwoven technology	31
		Yasaki, S.: Recent development of spin finish in the Asia region (abstract)	242

Subject Index	page	page	page
Fiber raw materials: General		back into the PET chain	84
Brief information	24, 26, 88, 91, 167, 229, 233, 368	Quo vadis polyester catalyst?	162
Company information	26, 88, 91, 167, 229, 233, 368	Thermo oil plant for PET production in Poland	370
Direct To Preform process – new pilot plant	161	World's largest PBT polymer plant in full production	92
DSM: the caprolactam business must change	28	Fibers / Yarns: General	
Innovation for polymers	27	100 th anniversary of acetate fibers	348
Metallocene catalysts for PP nonwovens	232	Bending fatigue properties of single aramid fibers	173
News in PA 6 extraction high thermal treatment of polymers	89	Bicomponent pilot plant for functional fibers in operation	237
Polypropylene for textile applications	292	Brief information	5, 6, 29, 30, 33, 68, 170, 235, 236, 274, 306, 352
Raw materials for fibers (abstracts of the lectures at the International Man-Made Fibres Congress in Dornbirn)	228	Chemical fibers and textiles with specific properties for industrial application, professional and environmental protection	101
T-Max advanced PTA technology	88	China International Man-made Fibers Conference, Fuzhou	371
Fiber raw materials: PET		Company information	29, 30, 33, 68, 170, 235, 236, 274, 306, 352
2R single-stream PET process	164	Elastane yarn specialties	7
Brief information	166, 167	Elastic fibers (abstracts of the lectures at the International Man-Made Fibres Congress in Dornbirn)	234
Company information	166	Epitropic fibers for technical polyester textiles	168
Flexible polyester plant in 2R technology	368	European polyolefin fiber industry	350
Nano-particle additives for PET	25	Fluoropolymer fibers meet nonwoven technology	31
New PET project in China: NoyVallesina Engineering	27	Global elastane yarn activity - the impact of China	276
Polyester plant design and engineering today and tomorrow	230	Modified soybean protein fibers: healthy functions and their mechanisms	307
Polyester polycondensation 2(1)-reactor process	160	Polyolefin fibers remain a growing market	272
Polyester raw materials: 2 joint ventures ..	166	PPS multifilament yarns for elastomeric hoses	170
Process innovations bringing DMT		PTT – fiber for the future	300
		Recycling process for p-aramid fibers from fabric wastes	171
		Surface micro- and nano-structuring of textile fibers	378
		TPU covered fancy yarns	302
		Fibers / Yarns: Cellulosics	
		Cellulose acetate in textile application	374
		Chemically treated lyocell fibers: recent advances	304
		Differentiated fabric opportunities for lyocell using innovative dyeing and finishing processes	372
		Müller viscose spinning bath and its invention 100 years ago	176
		Rayon technical yarns: the future	97
		Thermo-resistant lyocell fibers	34
		Viscose fibers with ion exchange properties	108
		Fibers / Yarns: PA	
		Brief information	5
		Global market trends for PA 66 airbag yarns	168
		Solution-dyed PA carpet fiber for automotive end-use	33
		Wear mechanisms of oriented polymers: application to the abrasive wear of PA fibers	377

Subject Index

	page		page
Fibers / Yarns: PET		Twisting of artificial grass yarns	188
European market trends		What phosphorous chemistry can accom- plish for man-made fiber finishes.....	392
for technical PET yarns	376		
PET staple fibers for spunlace nonwovens	98		
Fibers / Yarns: PP		Fiber production: PA	
50 th anniversary of PP fibers.....	140	Advances in fiber finish technology for PA BCF yarns	48
PP expands its grip on world textile markets	94	Migrationable additives for a permanent UV/VIS-stabilization of PA and PET fibers	388
		Non-migrating PA BCF spin finishes	390
Fiber production: General		Fiber production: PET	
Advanced continuous filtration method for polymer melts.....	112	Alkali resistance of PET fibers: improvement by photochemical modification using excimer-UV lamps ...	116
Bicomponent fiber and yarn spinning.....	380	Considerations on efficient manufacturing of PET FDY	310
Brief information.....	119, 194, 238-240,248, 254-257, 313, 319,322-325, 396, 402, 404	Emulsion or neat oil application in PET technical yarn processes?.....	188
CarpetTwister/CarpetCabler	55	Energy saving in PET recycling	53
CITME preview	254-257	Migrationable additives for a permanent UV/VIS-stabilization of PA and PET fibers	388
Company information.....	111, 194, 238-240,248, 254-257, 313, 319,322-325, 396, 402, 404	PET recycling technology : Erema	122
Conductive textiles: innovation potentials based on intrinsic conductive polymers	190	PET staple fibers and spunbonds: higher added values	37
Developments for the carpet industry	37	Polyester spinning: latest technologies	42
Elastane winder Elco	119	Polymer additive for polyesters	384
Elastic yarn technologies for comfort textiles	4	Fiber production: PP	
EN 13900-5 – filter pressure value as tool for evaluating degree of dispersion.....	249	Hydrophobic melt additives for PP meltblown and spunbond nonwovens.....	55
Engineering services – one key to success.....	179	Improving performance of PP fibers and tapes by functional additives	191
Godets for industrial yarn processes	40	Understanding the impact of functional additives in PP fiber extrusions	192
Improving fiber masterbatch quality and productivity by controlling pigment physics.....	246	Value-adding polypropylene spin finishes	189
Influence of godet surface POY material on the quality of FDY	44		
K 2004 preview	238-240, 322, 324, 325	Texturing	
Manufacturing process of atmofil DSE yarns.....	320	Adding value to textured yarn with fancy yarn components	196
Melt extrusions with nano-additives	187	ATY machine for specialty yarns.....	125
One-component fiberfill finish	391	Company information.....	196, 339
Online monitoring of filament yarns	401	Cooling concept for the production of BCF carpet yarns	126
Permanent antistatic compounds for monofilaments and tapes	252	Direct active yarn cooling in draw-texturing: Temcooler.....	336
Permanent hydrophilic/hydrophobic surface characteristics during extrusion	178	Friction texturing: latest developments	328
Piezoelectric PVDF multifilament yarns	254	High-speed texturing with highest flexibility	332
Polymer filters with preliminary cleaning	386	Investigation of guidelines for processing new type super-microfilament yarns.....	330
Process optimization in the manufacture of spandex or elastane dope	114	Jet cores and housing: new	132
Project list of new polymer and chemical fiber plants 2004.....	180	Modern drive technology for high production in draw-texturing	123
Repair service for drawrolls	387	Soiling behavior and processability of solution-dyed PA 6 BCF yarns.....	127
Spin finish level determination online and offline.....	397	Spin finishes drive texturing machine.....	331
Spin finishes and polymer additives: soft - permanent hydrophilic - anti-soiling.....	314	Taslan air-jet textured yarns: market trends	340
Spinneret cleaning and other cleaning problems	403	Unitens quality management system is 30	333
Surfaces and functionalities of man-made fibers: spin finishes (abstracts of the lectures at the International Man-Made Fibres Congress in Dornbirn)	242	Nonwovens	
True plug flow cooling of high viscous liquids	187	Automation system for spunbond pilot line	56
		Brief information.....	56, 200, 266, 408, 411
		Company information	56, 200, 266, 408, 411
		Enlarged nonwoven technical center: Fleissner.....	260
		Fluoropolymer fibers meet nonwoven technology	31
		Hydrophobic melt additives for PP meltblown and spunbond nonwovens.....	55
		ITMA 2003: nonwoven manufacture.....	197
		Metallocene catalysts for PP nonwovens.....	232
		Nanoval process – unique hydrodynamic effect.....	261
		Nonwovens market: China	258
		PET staple fibers and spunbonds: higher added values	37
		PET staple fibers for spunlace nonwovens	98
		Phenomenon meltblown	405
		Spunlace meets spunbonding: new spunbond applications	407
		STFI: extension of spunbonded responsibilities.....	262
		Research	
		Alkali resistance of PET fibers: improvement by photochemical modification using excimer-UV lamps ...	116
		Bending fatigue properties of single aramid fibers	173
		Bicomponent fiber and yarn spinning.....	380
		Bicomponent pilot plant for functional fibers in operation.....	237
		Chemical fibers and textiles with specific properties for industrial application, professional and environmental protection	101
		Conductive textiles: innovation potentials based on intrinsic conductive polymers	190
		Influence of godet surface POY material on the quality of FDY	44
		Investigation of guidelines for processing new type super-microfilament yarns.....	330
		Manufacturing process of atmofil DSE yarns.....	320
		Melt extrusions with nano-additives	187
		Migrationable additives for a permanent UV/VIS-stabilization of PA and PET fibers	388
		Modern drive technology for high production in draw-texturing	123
		Müller viscose spinning bath and its invention 100 years ago	176
		Permanent hydrophilic/hydrophobic surface characteristics during extrusion.....	178
		Piezoelectric PVDF multifilament yarns ...	254
		PTT – fiber for the future.....	300
		Recycling process for p-aramid fibers from fabric wastes	171
		STFI: extension of spunbonded responsibilities.....	262
		Surface micro- and nano-structuring of textile fibers	378
		Thermo-resistant lyocell fibers	34
		Understanding the impact of functional additives in PP fiber extrusions	192
		Viscose fibers with ion exchange properties	108
		Wear mechanisms of oriented polymers: application to the abrasive wear of PA fibers	377

Subject Index page

Fiber industry		
100 th anniversary of acetate fibers.....	348	
50 th anniversary of PP fibers.....	140	
Brief information	10-16, 69-76, 144, 152, 213-220, 281, 284, 355-360	
Company information	12-19, 70-79, 144, 152-156, 213-220, 281, 284-287, 354-364	
Consolidation and restructuring of the PA industry	64	
European polyolefin fiber industry.....	350	
Fiber machinery news.....	14, 16, 73-76, 148, 152, 219, 220, 283, 284, 359, 360	
Fiber management.....	12, 13, 70, 146, 218, 281, 282, 358	
Global elastane yarn activity – the impact of China	276	
Global fiber demand: new record level.....	141	
Global market and technology trends in the fiber and texturing industry	150	
International fiber trade journal reports.....	20, 80, 156, 224, 288, 364	
International Man-Made Fibres Congress in Dornbirn/Austria	278	
International news	17-19, 77-79, 153-156, 221-224, 285-287, 361-364	
More than 30 years think tank for the global fiber and textile industry	208	
New books for fiber and textile industry	20, 80, 156, 224, 288, 364	
New patents on fibers and fiber technology	22, 23, 82, 83, 158, 159, 226, 227, 290, 291, 366, 367	
PA and PET textured yarn trade.....	280	
PET fiber industry in Pakistan and outlook.....	54	
Polyester fiber boom in China	210	
Polyolefin fibers remain a growing market.....	272	
Project list of new polymer and chemical fiber plants 2004.....	180	
Economy: General		
Fiber machinery exports: Japan.....	14	
Global market and technology trends in the fiber and texturing industry	150	
Power shortage problems: China	285	
Economy: Raw materials		
New PTA capacities: China	24	
Polymer capacity: Taiwan	229	
PTA capacity China.....	77, 229	
Raw material prices	167	
Economy: Fibers/Yarns		
Acetate cigarette filter tow production: world.....	364	
Acrylic fiber investments: China	361	
Acrylic fiber restructuring: Japan.....	285	
Acrylic fiber shortage: China.....	153	
Anti-dumping of PAN tow from Uzbekistan: Pakistan	363	
Brief information.....	5, 10	
Chemical fiber exports: Japan.....	78	
Chemical fiber exports: USA.....	287	
Chemical fiber foreign trade: China.....	77	
Chemical fiber industry: Germany.....	212	
Chemical fiber output: China.....	371	
Chemical fiber production: India.....	18	
Chemical fiber production: Japan.....	78	
Chemical fiber production: Pakistan.....	286	
Chemical fiber production: USA	19	
Chemical fibers exports: Taiwan.....	363	
Chemical fibers exports: USA	363	
Company information.....	5-7, 10, 143, 221-223	
Dumping with acrylic tow? Pakistan.....	155	
Elastane yarn capacity: world	7, 156	
Elastane yarn production: China	77	
Elastic yarn technologies for comfort textiles	4	
Fiber and textile business results: Japan	222	
Fiber and textile producer sales: Japan	18	
Fiber business: Japan	362	
Fiber capacity: China	17	
Fiber exports: Brazil	17	
Fiber exports: Taiwan	78	
Fiber imports: USA	287	
Fiber prices: USA.....	287	
Fiber production: China.....	17, 221, 285	
Fiber production: world	66	
FR fiber expansion: Japan	285	
Global chemical fiber capacity: world.....	287	
Global fiber demand: new record level.....	141	
Global production of cellulosic fibers	212	
Global production of chemical fibers: China.....	210	
Global production of synthetic fibers	210	
Global production of textile fibers 2003	210	
High-tenacity PET yarn production: China.....	17	
Man-made fiber trade: Canada	153	
Man-made fiber exports: Mexico	154	
Mill consumption of chemical fibers: Turkey.....	287	
Mill fiber consumption: North America	155	
Mill fiber consumption: USA.....	79	
Mill fiber consumption: world.....	19	
Mill fiber consumption: Asia	285	
PA 66 airbag yarn investment: Japan.....	66	
PA 66 airbag yarns demand: world	287	
PA fiber year: Taiwan.....	155	
PET capacity: Indonesia	222	
PET fiber business: Pakistan	286	
PET fiber dumping? China.....	361	
PET fiber production: world.....	66	
PET fiberfill: Taiwan.....	363	
PET filament yarn imports and exports: Japan	78	
PET staple fiber demand: Pakistan	223	
PET yarn production: Korea.....	362	
POY exports: Korea	78	
PP fiber consumption: Europe	153	
PP fiber production: Japan.....	154	
PP staple fibers: Japan	362	
Production of polyolefin fibers: world	274	
Restructuring of fiber industry: Korea.....	223	
Shipments of carpet fibers: USA.....	352	
Synthetic fiber exports: Taiwan.....	18	
Synthetic fiber production and exports: Taiwan	223	
Synthetic fiber production: Korea	78	
Synthetic fiber production: Taiwan.....	18	
Synthetic fiber shipments: USA	155, 223, 363	
Technical filament yarns consumption: USA.....	79	
Technical PA filament yarns: world market.....	168	
Technical yarns imports: USA	19	
Textile fiber consumption: USA	363	
Textile fibers imports: China.....	361	
Textured yarn expansion: China.....	361	
Top fiber producer: Thailand	19	
Viscose fiber production: China	77	
Viscose staple exports: Serbia-Montenegro.....	363	
Economy: Nonwovens		
Brief information.....	10, 266	
Company information.....	10	
Fiber consumption in dry processes: Western Europe	263	
Nonwoven market trends	200	
Nonwoven sales: China	408	
Nonwovens production: China	258	
PET spunbonds: Japan.....	286	
Production of nonwovens: Western Europe	263	
Spunbond production: China.....	17	
Spunlace capacity: China	77	
Economy: Texturing		
Filament texturing machines: world market.....	148	
Global market and technology trends in the fiber and texturing industry	150	
PA and PET textured yarn trade.....	280	
PA and PET textured yarns imports and exports: USA	19	
PET textured yarn output: Mexico	154	
Production and exports of textured yarns: Taiwan	78	
Textured yarn production: China	153	
Textured yarn production: India	153	
Textured yarn production: Indonesia	154	
Textured yarn production: Japan	154	
Textured yarn production: Taiwan	155	
Textured yarn production: USA	155	

Chemical Fibers International

Fiber Polymers, Fibers, Texturing, and Spunbonds

Volume 54 2004

Issue 1	Pages 1 - 60
Issue 2	Pages 61 - 136
Issue 3	Pages 137 - 204
Issue 4	Pages 205 - 268
Issue 5	Pages 269 - 344
Issue 6	Pages 345 - 412

Company Index	page		page		page
3M	290	Cognis	191, 244, 314	Fleissner Nonwovens	282
3M Innovative Properties	158	Colbond	408	Flockage	214
Acordis	66, 69, 70, 352	Collin	249	Fourné Polymertechnik	152
Acordis Kelheim	145, 214, 218, 236	Companhia Providencia	285	Freudenberg	23, 200, 223
Acordis Speciality Fibres	30	Cordenka	72, 97	Freudenberg Nonwovens	13, 411
Addcomp	191	Coronet-Werke	366	Freudenberg Politec	153, 266
Addcomp Holland	313	Croda Polymer Additives	238	Fuji Spinning	7
Addmaster	191, 236	Daehan Synthetic	223	Futura Polyester	12
Aeroglide	360	Daicel Chemical Industries	366	Giudici	148, 159
Albany International	291	Daiwabo Rayon	154, 285	Glaeser	10
Albis	283	DAK	287	Gneuß Kunststofftechnik	114, 238
Amoco Fabrics	159	Dako	384	Goulston Technologies	48
Antex	68	Davis-Standard	220	Granafai	285
Aquafil Engineering	160, 229, 233	Degussa	236	Grasim	221
Arteva Technologies	158	Devan Chemicals	191	Gurit-Heberlein	283
Asahi Kasei	7, 18, 83, 154, 216, 222, 276, 285, 286, 362, 366	Dewan Salmon Fibre	155, 223, 286	GVW	69
Asahi Kasei Chemicals	366	Dienes	70, 256, 320, 360	H&G Hegmanns	84
Asia Fiber	155	Dilo	197, 198, 260, 262	Hauni Maschinenbau	282
Ason Neumag	40, 283	Diolen Industrial Fibers	29, 70, 221, 358, 376	Heberlein Fiber Technology	14, 132, 282, 283, 328, 340, 359
Atofina	82	DOA	197, 198, 199	Helsa-Werke	158
Audax	220	Domo	355	Hercules	13, 140
Aussapol	368	Domo Caproleuna	214	Hills	306, 360
Austrian Petrochemical Holding	87	Domo Neuchem	214, 355	Himson	148
Autefa automation	72, 198, 218, 219	Dorlastan Fibers & Monofil	146, 214	HKBC Technologies	188
Barco	72	Dow Chemical	166, 233, 354	Hollingsworth & Vose	258
Barmag	2, 13, 14, 40, 42, 69, 74, 76, 83, 111, 148, 150, 194, 196, 219, 257, 310, 319, 322, 324, 332, 333, 359, 360, 386	Dow Europe	4, 88, 91, 167, 233, 235, 278, 281	Honeywell International	10, 17, 68, 223, 364
Barmag Spinnzwirn	119, 125, 219, 282, 325, 359	Dow Global Technologies	366, 367	Honeywell Nylon	358
Basell	77, 146, 167, 229, 232, 282	Drake Extrusion	170	HTT energy systems	370
BASF	7, 88, 91, 146, 167, 170, 229, 249, 354	DSM	28, 78, 223, 233	Husky Injection Molding Systems	161
Bayer	69, 145, 146	DuPont	4, 7, 22, 24, 31, 82, 156, 158, 213, 222, 226, 290, 300, 306, 320, 356, 363, 408	Huvis	22, 26, 306
Bayer Faser	7, 82, 159, 235	DuPont Sabanci Polyester	228	Hyosung	7, 77, 214, 276, 290
Bayer MaterialScience	302	DuPontSA	6, 13, 70, 146, 216, 218, 228, 282, 352, 356, 363, 388	Ibrahim Fibres	155, 223
Bayer Technology Services	234, 278	Dynisco	220	ICI Fibres	168, 236
Beijing SYF	220	DyStar Textilfarben	227	ICI Pakistan	54, 286
Bematic	198	Eastman Chemicals	281, 290, 368	Inacsa	145
Berstorff	239	Ebner	180	India Polyfibres	361
BGB Stockhausen	242, 281	Effeci Engineering	228, 384	Indo Rama	28, 88, 91, 361
Binsfeld	220	Electrotex	14	Inspec Fibres	236
BM Bombi Meccanica	199	Ems-Chemie	10, 12, 68	Instrumar	220
Böhme	244, 331	Enka tecnica Filtration	112	Inventa-Fischer	18, 92, 152, 164, 167, 180
Bonar	188	Epitropic Fibres	168, 236	Invista	2, 4, 12, 33, 66, 88, 221, 276, 278, 285, 287, 361
Bonino Carding Machines	198	Epurex Films	238	Invista Europe	242
Borealis	170, 272, 362	Equipolymers	233, 281, 363	Invista Technologies	366
Borealis Technology	367	Erca	242	Jakob Holm Industries	156, 358
Bozzetto	281, 392	Erma	76, 122, 324, 358	Japan Vilene	200
BP	167	Erko	198	Kanebo Gohsen	285
Bühler	180, 359	ESL	284	Kaneka	82, 285
Cabot Plastics	191, 239, 252	Europlast	167	Kao	290
Cargill Dow	68, 145, 367	ExxonMobil	91, 229	Kelheim Fibres	214, 218, 236
Ceccato Spinnerets	76	Far Eastern Textile	221, 233, 363	Kibron	76
Celanese	145	Farè	76	Kimberly-Clark	23, 83, 367
Celanese Acetate	5, 12, 348, 374	FCFC	229	Koch Industries	4, 285
Celli Nonwovens	260, 262	Fehrer	198, 199	Kolon Industries	227, 367
Century Enka	18	Feinpruef	13	Kon. Philips Electronics	82
Chapelthorpe	145, 221	Ferrari	363	Korteks	69
Chemi Viscofibre	286	Fiber Innovation Technology	19	KoSa	12
Chemtex International	180	FiberVisions	69, 82, 287	Kreyenberg	238
Chepetskiy Mechanical Plant	23	Fibreguide	255	Krüß	76, 313
China Man-Made Fiber	26, 233	Fil Man Made	68	Kuraray	223
CHT	189, 242, 390	Fillattice	220	Küstern	12, 16, 199, 262
Ciba Specialty Chemicals	23, 191, 246, 249	First Quality Fibers	23	Kuwait Petroleum	281
Clariant	159, 244	Fisipe	286	Lankhorst	146, 188
Clariant Huningue	228	Fitesa	17	Lankhorst Indutech	158
Coatema	240	Fitesa NaoTecidos	285	Lanxess	69, 145
Cobafi	221, 376	Fleissner	72, 199, 260, 262, 266, 282, 367, 407	Laroche	198
				Lawson-Hemphill	76, 220, 284, 360
				Lea Lea	229
				Leesona	359
				Lenzing	5, 10, 12, 17, 19, 31, 68, 69, 108, 144, 212, 213, 287, 304, 354, 361

Company Index		page	page	page	
Lenzing Instruments	244, 283, 397, 401	Rangdaneh Sirjan	10	Superba	128
Lenzing Lyocell	212	Recytex Textilaufbereitung	302	Takemoto Oil & Fat	242
Lenzing Plastics	31	Reifenhäuser	262, 306, 322	Tapex	188
Lenzing Technik	146, 152, 180	Reimotec	152, 240	Tecnon OrbiChem	156
Li Peng	155	Reliance Industries	208, 213, 220, 221, 233, 282, 358	Teijin	78, 79, 82, 154, 218, 222, 236, 291, 362, 366
Liaoning Petroleum and Chemical	221	Reo Fiber	214	Teijin Indonesia	222
Liberty Fibers	19, 224, 287	Reo Flock und Faser	214	Teijin Monofilament Germany	235
List	240, 282	Retech	220	Teijin Monofilaments	278
Lohia-Starlinger	359	Rhodia	5	Teijin Polyester (Thailand)	79
Lurgi	13	Rhodia Industrial Yarns	83, 291	Teijin Seiki	360
M&J Fibretech	16, 283	Rhodiaceta	348	Teijin Thailand	79
Maag Pump Systems Textron	146	Rhodianyl	158, 227	Teijin Twaron	30, 70, 216, 218, 286, 361
Mahr Metering Systems	13	Riedel-de Haen	226	Temafa	197
Margassa	198	Rieter	4, 14, 16, 159, 188, 196, 233, 235, 255, 278, 284, 313, 387, 404	Temco	14, 70, 256, 291, 320, 322, 336, 339, 360, 396
Märkische Faser	29	Rieter Automatik	254	Ten Cate Thiolon	188
Maurer	180	Rieter Perfojet	76, 255	Tenax Fibers	352
Karl Mayer Malimo	199	Rockwood Specialties	145	Tencel	144, 221, 278, 282, 287, 304, 354, 372
McNeuil-PPC	22	Roehm	22	Tersuisse	363
Meraklon	69	Rothmans Benson & Hedges	226	Tessiture Pietro Radici	188
MG Technologies	13	Royal Ten Cate	188	Texkimp	255
Milliken	226, 227, 361	RPR	148	Textechno	4, 283
Mitsubishi Rayon	154, 222, 223, 274, 285, 290	Sabancı	216, 218, 356	Thai Kurabo	286
Mitsubishi Rayon Engineering	159	Sabic	153	Thai Rayon	223
Mogul	408	Sabic EuroPetrochemicals	228, 292	The Pilot Ink Co.	367
Momentum International	55	Sachtleben Chemie	145	Thiele Polyester Technology	162, 230
Montecatini	140	Saehan Industries	223	Tianjin Petrochemical	77
Montefibre	4, 98, 361	Sahm	29, 70, 402	Ticona	92, 170, 228
MTS	16	Samsin Creation	83	TMT	148, 360
Murata	13, 360	Sandler	10, 282	Toho Tenax	352
Murtra	18	Sanitized	240	Toray Composites	213
Nan Ya Plastics	233, 291, 360, 363	Santex	76, 198	Toray Engineering	180, 360
Nanoval	261	Sartex Textile Training	80	Toray Fine Chemical	408
National Drying Machinery	360	Sasol	167	Toray Industries	17, 18, 66, 83, 91, 155, 213, 222, 223, 287, 362
Neuenhauser Maschinenbau	219	Saurer	14, 16, 55, 83, 141, 226, 227, 291, 359	Toyobo	18, 22, 66, 236, 286, 287
Neumag	1, 14, 37, 56, 126, 179, 196, 220, 257, 283	Schott & Meissner	199	Trevira	6, 70, 208, 213, 226, 274, 282, 286, 358
Nilit	13, 361	Schwing Fluid Technik	403	Trützschler	197, 260
Nisshinbo	7	Selenis	368	TSI	223
Novaceta	145	SGF Chimie	306	Ube Industries	22
Noveon IP Holdings	82	Shakespeare	29	Uhde	152, 180, 218
NoyValLesina Engineering	27, 88, 180	Shamrock Technologies	226	Uhde Inventa-Fischer	218, 220, 234, 278, 325, 368
NSC Nonwoven	197, 198, 199	Shanghai Petrochemical	221	Unifi	68, 77, 79, 146, 155, 221, 287, 364
Nubiola Pigmentos	238	Shanghai Winshow Soybean Fiber Trade	307	Unifi Asia	2
Nyacol Nano Technologies	25	Shell Chemicals	26, 229, 300, 306, 319	Union Industries	18
Ohl Technologies	238	Shinkong Synthetic Fiber	233, 368	Unitika	286
Omnichem	218	Shoon Shyng Machinery	199	UOP Sinco	180
PCI Fibres	234, 276, 278	Sicam	199	US Philips	82
Petrochemical Holding	368	Siemens	56	Uster Technologies	248, 359
Petrochemical Industries	166, 281	Silva Acquisition	224	VIBA SIAT	152
PIC	233	Simona	4, 234, 278	Viskoza	362
Plastomer Technologies	19	Sinopec	167	Volkmann	55
Pliana	358	Sinterama	68	Voridian	145
PMEC	221	Slack & Parr	255, 385	Wellman	79, 364
Poliseda	152	SML	152	Wuxi Xingda Nylon	213
Polyamide High Performance	168, 287	Snaico Engineering	180	Yamanashi TLO	158
Polygon	12	Soficar	213	Yantai	276
Polymer Engineering	180	Softbond	285	Yantai Spandex	221
Polymer Group	18, 285	Solotex	222	Yazd Polyester	88
Polyplastics	290	Sonoco	77, 153	Yizheng Chemical Fibre	17, 26, 77, 229
Power-Heat-Set	36	South Pacific Viscose	222	Zentex Unitex Textile Machinery	219
Primix	14, 76, 187	Spinnbau Bremen	197, 198, 260	Zhejiang Huafeng	276
Procter & Gamble	22, 82, 158, 227, 290	Spinnox	291	Zhejiang Hualian Sanxin Petrochemical	281
Projectina	88	Spoerry	4	Zimmer	22, 23, 73, 87, 161, 180, 221, 229, 240, 282, 291, 306, 368
PTT PolyCanada	229, 306	SSM	284, 339	Zoltek	231, 364
Qingdao Lidong Chemical	229	Starlinger	53, 402	Zschimmer & Schwarz	127, 188, 391
Qxsigma	405	STP Impianti	285		
R.Stat	235	Strahm	198		
Radici	68, 368	Struto	198		
RadiciFibres	143	Suessen	128		
RadiciSpandex	4, 7, 143	Sulzer Chemtech	84, 368		
Raj Rayon	360				