

Polymer Vol. 51, No. 26, 10 December 2010

Contents

POLYMER COMMUNICATION

Photolithographically patterned smart hydrogel based bilayer actuators

pp 6093–6098

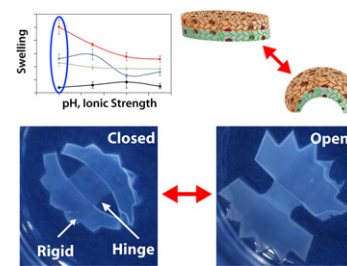
Noy Bassik^{a,b}, Beza T. Abebe^c, Kate E. Laflin^a, David H. Gracias^{a,d,*}

^a Department of Chemical and Biomolecular Engineering, The Johns Hopkins University, 3400 N Charles Street, Baltimore, MD 21218, USA

^b School of Medicine, The Johns Hopkins University, 733 N. Broadway, Baltimore, MD 21205, USA

^c Department of Materials Science and Engineering, The Johns Hopkins University, 3400 N Charles Street, Baltimore, MD 21218, USA

^d Department of Chemistry, The Johns Hopkins University, 3400 N Charles Street, Baltimore, MD 21218, USA



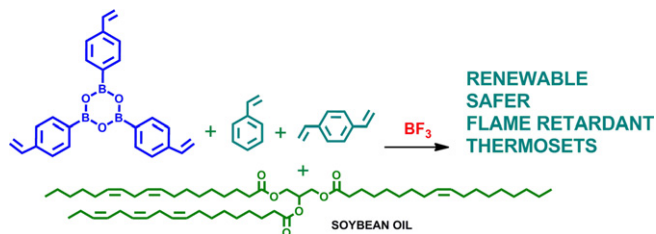
POLYMER PAPERS

Synthesis and properties of boron-containing soybean oil based thermosetting copolymers

pp 6099–6106

Marta Sacristán, Joan C. Ronda^{*}, Marina Galià, Virginia Cádiz

Departament de Química Analítica i Química Orgànica, Universitat Rovira i Virgili, Campus Sescelades, Marcel·lí Domingo s/n, 43007 Tarragona, Spain



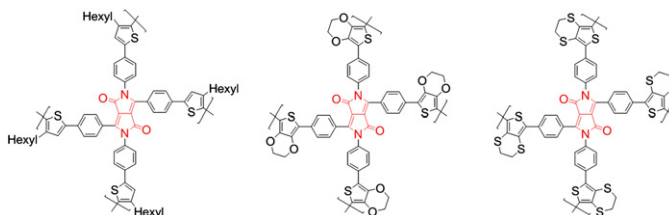
Cross-linked polymers based on 2,3,5,6-tetra-substituted pyrrolo[3,4-c]-pyrrole-1,4(2H,5H)-dione (DPP): Synthesis, optical and electronic properties

pp 6107–6114

Kai Zhang^a, Bernd Tieke^{a,*}, John C. Forgie^b, Filipe Vilela^b,
John A. Parkinson^b, Peter J. Skabara^b

^a Department of Chemistry, University of Cologne, Luxemburger Str. 116,
D-50939 Cologne, Germany

^b WestCHEM, Department of Pure and Applied Chemistry, University
of Strathclyde, Glasgow G1 1XL, UK

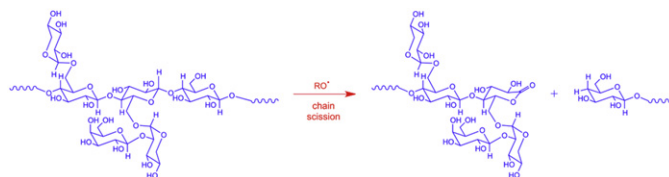


Mechanism and kinetics of free-radical degradation of xyloglucan in aqueous solution

pp 6115–6122

Amilcar Pillay Narrainen, Peter A. Lovell*

Materials Science Centre, School of Materials, The University of Manchester,
Grosvenor Street, Manchester M1 7HS, United Kingdom



Donor–acceptor–donor type conjugated polymers for electrochromic applications: benzimidazole as the acceptor unit

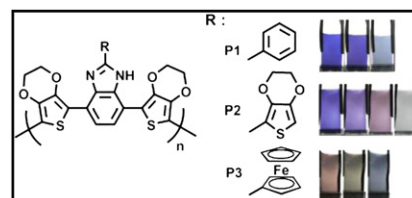
pp 6123–6131

Hava Akpınar^a, Abidin Balan^a, Derya Baran^a, Elif Köse Ünver^a, Levent Toppare^{a,b,c,*}

^a Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

^b Department of Biotechnology, Middle East Technical University, 06531 Ankara, Turkey

^c Department of Polymer Science and Technology, Middle East Technical University, 06531 Ankara, Turkey



Mechanically reinforced biodegradable nanocomposites. A facile synthesis based on PEGylated silica nanoparticles

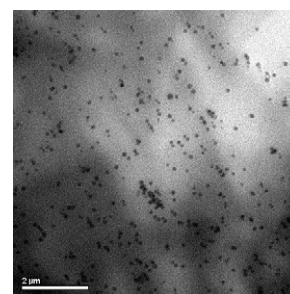
pp 6132–6139

N. Moussaif^{a,*}, S. Irusta^{b,c}, C. Yagüe^b, M. Arruebo^b, J.G. Meier^a, C. Crespo^a, M.A. Jimenez^a, J. Santamaría^{b,c}

^a Technological Institute of Aragon (ITA), María de Luna, 8 (Pol. Actur), 50018 Zaragoza, Spain

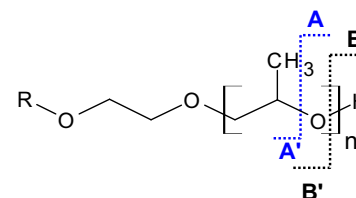
^b Aragon Institute of Nanoscience (INA), Mariano Esquillor s/n, University of Zaragoza, 50018 Zaragoza,
Spain

^c Networking Research Center on Bioengineering, Biomaterials and Nanomedicine, CIBER-BBN, Spain

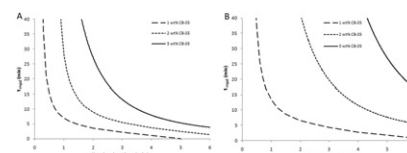


Analysis of poly(ethylene oxide)-*b*-poly(propylene oxide) block copolymers by MALDI-TOF mass spectrometry using collision induced dissociation

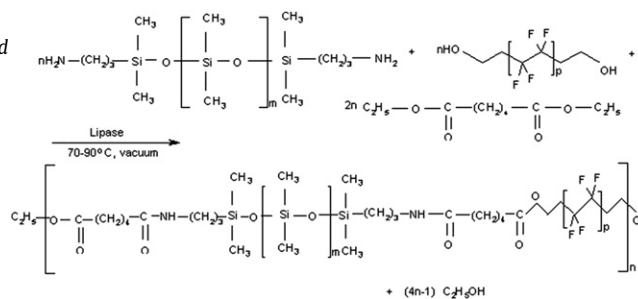
pp 6140–6150

Anna Maciejczek^a, Valentina Mass^a, Karsten Rode^a, Harald Pasch^{a,b,*}^a Deutsches Kunststoff-Institut (German Institute for Polymers), Schlossgartenstr. 6, 64289 Darmstadt, Germany^b University of Stellenbosch, Department of Chemistry and Polymer Science, Private Bag X1, Matieland 7602, South Africa**Cationic photopolymerization of epoxides containing carbon black nanoparticles**

pp 6151–6160

Cindy C. Hoppe^a, Beth A. Ficek^b, Ho Seop Eom^a, Alec B. Scranton^{a,*}^a Department of Chemical and Biochemical Engineering, The University of Iowa, 4133 Seamans Center, Iowa City, IA 52242, USA^b DSM Desotech, Inc., 1122 St. Charles Street, Elgin, IL 60120, USA**Enzymatic synthesis of silicone fluorinated aliphatic polyesteramides**

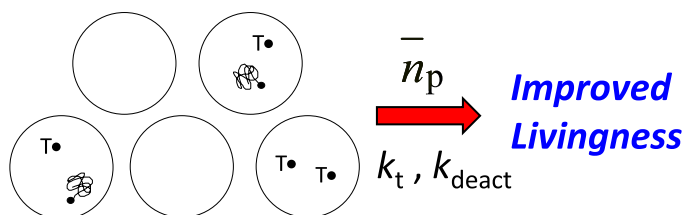
pp 6161–6167

Aniruddha S. Palsule^a, Yadagiri Poojari^{b,*}^a Department of Chemical and Materials Engineering, NSF I/UCRC Membrane Applied Science and Technology Center, University of Cincinnati, Cincinnati, OH 45221-0012, USA^b Department of Chemistry, The Ohio State University, Columbus, OH 43210, USA**Nitroxide-mediated radical polymerization in nanoreactors: Factors influencing compartmentalization effects on bimolecular termination**

pp 6168–6173

Per B. Zetterlund

Centre for Advanced Macromolecular Design (CAMD), School of Chemical Engineering, The University of New South Wales, Sydney, NSW 2052, Australia



Synthesis and characterization of fluorene-carbazole and fluorene-phenothiazine copolymers with carbazole and oxadiazole pendants for organic light emitting diodes

pp 6174–6181

Shuhei Yamada^{a,g}, Seijung Park^a, Suhee Song^a, Mihee Heo^b, Joo Young Shim^a, Youngeup Jin^c, Il Kim^d, Heesoo Lee^e, Kyungmee Lee^f, Kohji Yoshinaga^g, Jin Young Kim^{b,**}, Hongsuk Suh^{a,*}

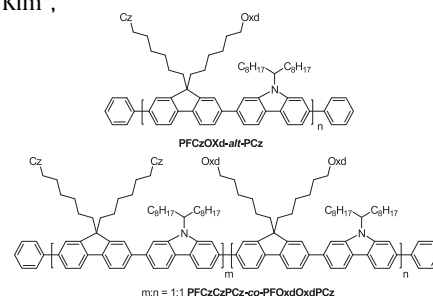
^a Department of Chemistry and Chemistry Institute for Functional Materials, Pusan National University, Busan 609-735, South Korea

^b Interdisciplinary School of Green Energy, Ulsan National Institute of Science and Technology, Ulsan 689-798, South Korea

^c Department of Industrial Chemistry, Pukyong National University, Busan 608-739, South Korea

^d The WCU Center for Synthetic Polymer Bioconjugate Hybrid Materials, Department of polymer Science and Engineering, Pusan National University, Busan 609-735, South Korea

^e School of Materials Science and Engineering, Pusan National University, Busan 609-735, South Korea



Synthesis and application of H-Bonded cross-linking polymers containing a conjugated pyridyl H-Acceptor side-chain polymer and various carbazole-based H-Donor dyes bearing symmetrical cyanoacrylic acids for organic solar cells

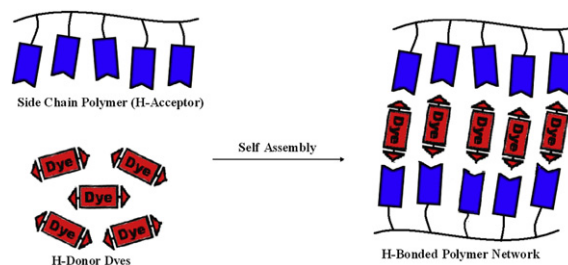
pp 6182–6192

Duryodhan Sahu^a, Harihara Padhy^a, Dhananjaya Patra^a, Dhananjay Kekuda^b, Chih-Wei Chu^{b,c}, I-Hung Chiang^a, Hong-Cheu Lin^{a,*}

^a Department of Materials Science and Engineering, National Chiao Tung University, Hsinchu, Taiwan, ROC

^b Research Center for Applied Sciences, Academia Sinica, Taipei, Taiwan, ROC

^c Department of Photonics, National Chiao Tung University, Hsinchu, Taiwan, ROC

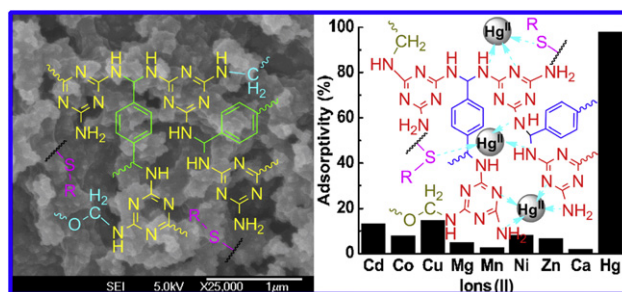


Facile synthesis of melamine-based porous polymer networks and their application for removal of aqueous mercury ions

pp 6193–6202

Guangwen Yang, Heyou Han^{*}, Chunyan Du, Zhihui Luo, Yanjun Wang

College of Science, State Key Laboratory of Agricultural Microbiology, Huazhong Agricultural University, 1 Shizishan Street, Wuhan 430070, PR China



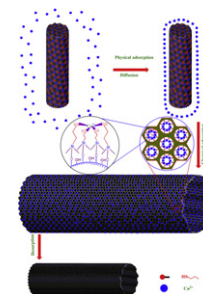
Effects of poly (vinyl alcohol) (PVA) content on preparation of novel thiol-functionalized mesoporous PVA/SiO₂ composite nanofiber membranes and their application for adsorption of heavy metal ions from aqueous solution

pp 6203–6211

Shengju Wu^a, Fengting Li^a, Hongtao Wang^a, Lin Fu^a, Bingru Zhang^{a,*}, Guangtao Li^b

^a College of Environmental Science & Engineering, State Key Laboratory of Pollution Control and Resource Reuse Study, Tongji University, 1239, Siping Road, Shanghai, 200092, China

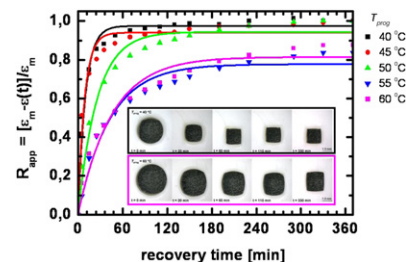
^b Department of Chemistry, Tsinghua University, Beijing, China



Relaxation based modeling of tunable shape recovery kinetics observed under isothermal conditions for amorphous shape-memory polymers pp 6212–6218

M. Heuchel, J. Cui, K. Kratz, H. Kosmella, A. Lendlein*

Center for Biomaterial Development, Institute of Polymer Research, Helmholtz-Zentrum Geesthacht and Berlin-Brandenburg-Center for Regenerative Therapies (BCRT), Kantstrasse 55, 14513 Teltow, Germany

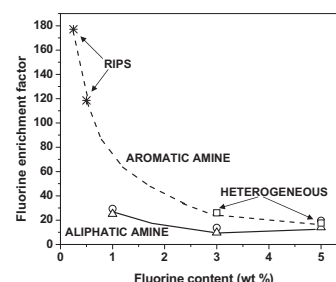


Partially fluorinated polymer networks: Surface and tribological properties pp 6219–6226

L.A. Miccio^a, R. Liaño^a, W.H. Schreiner^b, P.E. Montemartini^a, P.A. Oyanguren^{a,*}

^aInstitute of Materials Science and Technology (INTEMA), University of Mar del Plata and National Research Council (CONICET), J. B. Justo 4302, 7600 Mar del Plata, Argentina

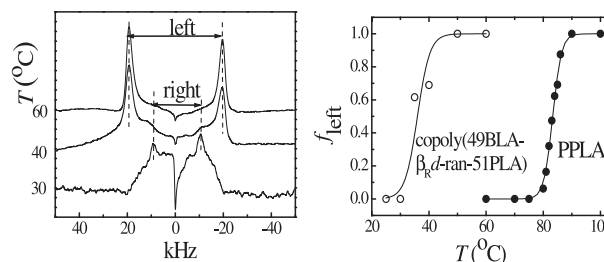
^bLaboratório de Superfícies e Interfaces (LSI), Universidade Federal do Paraná, Curitiba, Brasil



Highly cooperative helix-sense reversal of polyaspartates. Influence of the comonomer of the opposite screw-sense preference pp 6227–6233

Yosuke Imada, Akihiro Abe*

Tokyo Polytechnic University, Nano-Science Research Center, 1583 Iiyama, Atsugi 243-0297, Japan

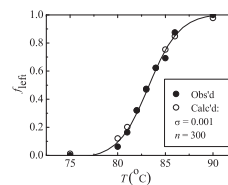
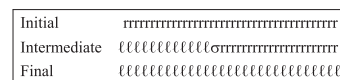


Mechanism of the screw-sense reversal of tightly hydrogen-bonded α-helical network triggered by the side-chain conformation pp 6234–6239

Akihiro Abe^{a,*}, Yosuke Imada^a, Hidemine Furuya^b

^aNano-Science Research Center, Tokyo Polytechnic University, Iiyama, Atsugi 243-0297, Japan

^bDepartment of Organic and Polymeric Materials, Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo 152-8552, Japan



Surface characterization of nanoparticles carrying pH-responsive polymer hair

pp 6240–6247

Syuji Fujii^{a,*}, Motomichi Suzaki^a, Yoshinobu Nakamura^{a,b}, Kenichi Sakai^{c,**}, Naoyuki Ishida^{d,***}, Simon Biggs^e

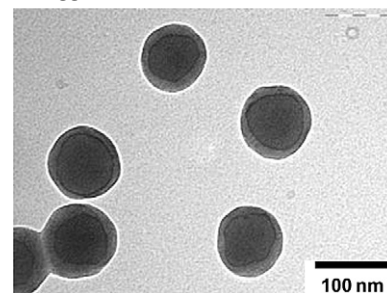
^a Department of Applied Chemistry, Osaka Institute of Technology, 5-16-1 Ohmiya, Asahi-ku, Osaka 535-8585, Japan

^b Nanomaterials and Microdevices Research Center, Osaka Institute of Technology, 5-16-1 Ohmiya, Osaka 535-8585, Japan

^c Department of Pure and Applied Chemistry, Faculty of Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan

^d Photonics Research Institute, National Institute for Advanced Industrial Science and Technology (AIST), 1-1-1 Higashi, Tsukuba 305-8565, Japan

^e Institute of Particle Science and Engineering, School of Process, Environmental and Materials Engineering, University of Leeds, Leeds LS2 9JT, UK



Temperature/pH-induced morphological regulations of shell cross-linked graft copolymer assemblies

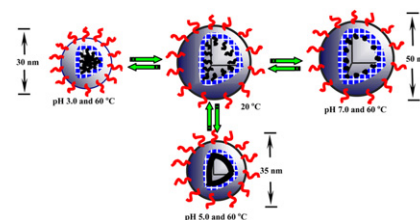
pp 6248–6257

Wen-Hsuan Chiang^{a,b}, Yuan-Hung Hsu^b, Fa-Fen Tang^b, Chong-Shyan Chern^c, Hsin-Cheng Chiu^{a,*}

^a Department of Biomedical Engineering and Environmental Sciences, National Tsing Hua University, Hsinchu 300, Taiwan

^b Department of Chemical Engineering, National Chung Hsing University, Taichung 402, Taiwan

^c Department of Chemical Engineering, National Taiwan University of Science and Technology, Taipei 106, Taiwan

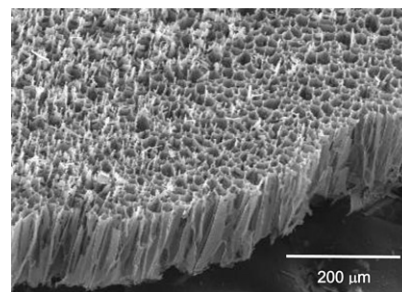


Membranes with through-thickness porosity prepared by unidirectional freezing

pp 6258–6267

Min Kyung Lee, Nae-Oh Chung, Jonghwi Lee*

Department of Chemical Engineering and Materials Science, Chung-Ang University, 221 Heukseok-dong, Dongjak-gu, Seoul, 156-756, South Korea



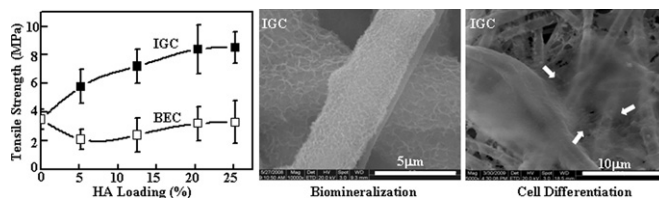
In situ grown fibrous composites of poly(DL-lactide) and hydroxyapatite as potential tissue engineering scaffolds

pp 6268–6277

Jiangang Chen^a, Xiaohong Li^{a,b,*}, Wenguo Cui^a, Chengying Xie^b, Jie Zou^a, Bin Zou^b

^a Key Laboratory of Advanced Technologies of Materials, Ministry of Education, School of Materials Science and Engineering, Southwest Jiaotong University, Chengdu 610031, PR China

^b School of Life Science and Engineering, Southwest Jiaotong University, Chengdu 610031, PR China

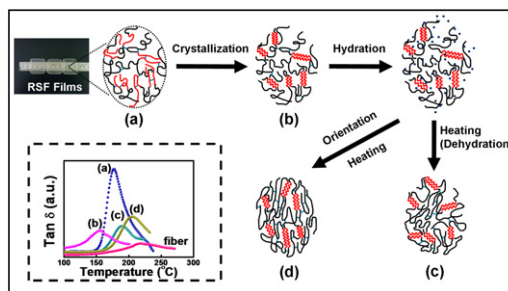


Correlation between structural and dynamic mechanical transitions of regenerated silk fibroin

pp 6278–6283

Qingqing Yuan, Jinrong Yao, Lei Huang, Xin Chen, Zhengzhong Shao*

The Key Laboratory of Molecular Engineering of Polymers of MOE, Department of Macromolecular Science, Laboratory of Advanced Materials, Fudan University, Shanghai 200433, PR China



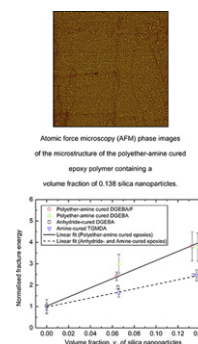
The mechanisms and mechanics of the toughening of epoxy polymers modified with silica nanoparticles

pp 6284–6294

T.H. Hsieh^a, A.J. Kinloch^{a,*}, K. Masania^a, A.C. Taylor^{a,**}, S. Sprenger^b

^a Department of Mechanical Engineering, Imperial College London, South Kensington Campus, London SW7 2AZ, UK

^b Nanoresins AG, Charlottenburger Strasse 9, 21502 Geesthacht, Germany



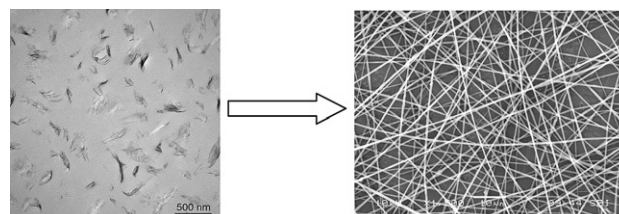
Effect of tethering chemistry of cationic surfactants on clay exfoliation, electrospinning and diameter of PMMA/clay nanocomposite fibers

pp 6295–6302

M. Wang^a, J.H. Yu^a, A.J. Hsieh^b, G.C. Rutledge^{a,*}

^a Department of Chemical Engineering and Institute for Soldier Nanotechnologies, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

^b Army Research Laboratory, RDRL-WMM-G, Aberdeen Proving Ground, MD 21005-5069, USA



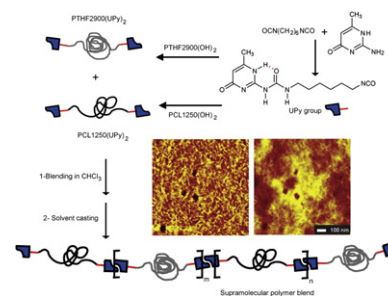
Effect of self-complementary motifs on phase compatibility and material properties in blends of supramolecular polymers

pp 6303–6312

Parvin Shokrollahi^{a,b}, Hamid Mirzadeh^{a,*}, Wilhelm T.S. Huck^b, Oren A. Scherman^b

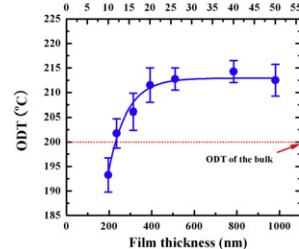
^a Iran Polymer and Petrochemical Institute, Department of Biomaterials, P.O. Box 14965/159, Tehran, Iran

^b Melville Laboratory for Polymer Synthesis, Department of Chemistry, University of Cambridge, Lensfield Road, CB2 1EW, UK



Transition behavior of PS-*b*-PMMA films on the balanced interfacial interactions

pp 6313–6318

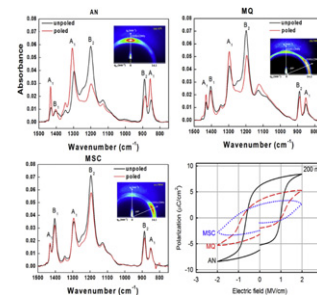
Eunhye Kim^a, Seunghoon Choi^a, Rui Guo^a, Du Yeol Ryu^{a,*}, Craig J. Hawker^b, Thomas P. Russell^c^a Department of Chemical and Biomolecular Engineering, Yonsei University, Seoul 120-749, Republic of Korea^b Material Research Laboratory and Departments of Materials, Chemistry and Biochemistry, University of California, Santa Barbara, CA 93016, United States^c Department of Polymer Science & Engineering, University of Massachusetts, Amherst, MA 01003, United StatesPS-*b*-PMMA films on a PS-*r*-PMMA grafted substrate
n•L_o (L_o = 19.6 nm)

Annealing effect upon chain orientation, crystalline morphology, and polarizability of ultra-thin P(VDF-TrFE) film for nonvolatile polymer memory device

pp 6319–6333

Jong Soon Lee, Arun Anand Prabu, Kap Jin Kim*

Department of Advanced Materials Engineering for Information and Electronics, College of Engineering, Kyung Hee University, Yongin-si, Gyeonggi-do 446-701, South Korea

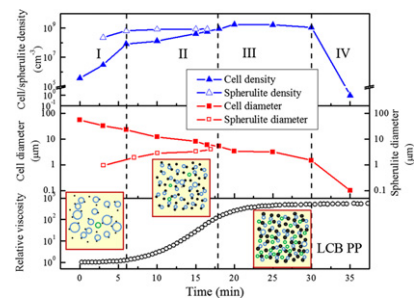


Rheological control in foaming polymeric materials: II. Semi-crystalline polymers

pp 6334–6345

Ruogu Liao, Wei Yu*, Chixing Zhou

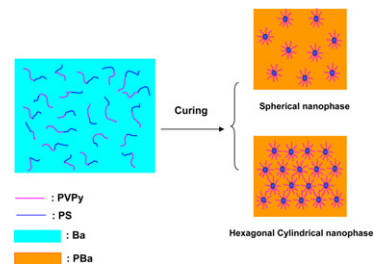
Advanced Rheology Institute, Department of Polymer Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, PR China



Reaction-induced microphase separation in polybenzoxazine thermosets containing poly(N-vinyl pyrrolidone)-*block*-polystyrene diblock copolymer pp 6346–6354

Di Hu, Sixun Zheng*

Department of Polymer Science and Engineering and State Key Laboratory of Metal Matrix Composites,
Shanghai Jiao Tong University, Shanghai 200240, PR China



*Corresponding author



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Author Index

- Abe, A. 6227, 6234
 Abebe, B. T. 6093
 Akpınar, H. 6123
 Arruebo, M. 6132
- Balan, A. 6123
 Baran, D. 6123
 Bassik, N. 6093
 Biggs, S. 6240
- Cádiz, V. 6099
 Chen, J. 6268
 Chen, X. 6278
 Chern, C.-S. 6248
 Chiang, I.-H. 6182
 Chiang, W.-H. 6248
 Chiu, H.-C. 6248
 Choi, S. 6313
 Chu, C.-W. 6182
 Chung, N.-O. 6258
 Crespo, C. 6132
 Cui, J. 6212
 Cui, W. 6268
- Du, C. 6193
- Eom, H. S. 6151
- Ficek, B. A. 6151
 Forgie, J. C. 6107
 Fu, L. 6203
 Fujii, S. 6240
 Furuya, H. 6234
- Galià, M. 6099
 Gracias, D. H. 6093
 Guo, R. 6313
- Han, H. 6193
 Hawker, C. J. 6313
 Heo, M. 6174
 Heuchel, M. 6212
 Hoppe, C. C. 6151
 Hsieh, A. J. 6295
 Hsieh, T. H. 6284
 Hsu, Y.-H. 6248
 Hu, D. 6346
 Huang, L. 6278
 Huck, W. T. S. 6303
- Imada, Y. 6227, 6234
 Irusta, S. 6132
 Ishida, N. 6240
- Jimenez, M. A. 6132
 Jin, Y. 6174
- Kekuda, D. 6182
 Kim, E. 6313
 Kim, I. 6174
 Kim, J. Y. 6174
 Kim, K. J. 6319
 Kinloch, A. J. 6284
 Kosmella, H. 6212
 Kratz, K. 6212
- Laflin, K. E. 6093
 Lee, H. 6174
 Lee, J. 6258
 Lee, J. S. 6319
 Lee, K. 6174
 Lee, M. K. 6258
 Lendlein, A. 6212
 Li, F. 6203
 Li, G. 6203
 Li, X. 6268
 Liaño, R. 6219
 Liao, R. 6334
 Lin, H.-C. 6182
 Lovell, P. A. 6115
 Luo, Z. 6193
- Maciejczek, A. 6140
 Masania, K. 6284
 Mass, V. 6140
 Meier, J. G. 6132
 Miccio, L. A. 6219
 Mirzadeh, H. 6303
 Montemartini, P. E. 6219
 Moussaif, N. 6132
- Nakamura, Y. 6240
- Oyanguren, P. A. 6219
- Padhy, H. 6182
 Palsule, A. S. 6161
 Park, S. 6174
 Parkinson, J. A. 6107
 Pasch, H. 6140
 Patra, D. 6182
 Pillay Narrainen, A. 6115
 Poojari, Y. 6161
 Prabu, A. A. 6319
- Rode, K. 6140
 Ronda, J. C. 6099
- Russell, T. P. 6313
 Rutledge, G. C. 6295
 Ryu, D. Y. 6313
- Sacristán, M. 6099
 Sahu, D. 6182
 Sakai, K. 6240
 Santamaría, J. 6132
 Scherman, O. A. 6303
 Schreiner, W. H. 6219
 Scranton, A. B. 6151
 Shao, Z. 6278
 Shim, J. Y. 6174
 Shokrollahi, P. 6303
 Skabara, P. J. 6107
 Song, S. 6174
 Sprenger, S. 6284
 Suh, H. 6174
 Suzuki, M. 6240
- Tang, F.-F. 6248
 Taylor, A. C. 6284
 Tieke, B. 6107
 Toppare, L. 6123
- Ünver, E. K. 6123
- Vilela, F. 6107
- Wang, H. 6203
 Wang, M. 6295
 Wang, Y. 6193
 Wu, S. 6203
- Xie, C. 6268
- Yagüe, C. 6132
 Yamada, S. 6174
 Yang, G. 6193
 Yao, J. 6278
 Yoshinaga, K. 6174
 Yu, J. H. 6295
 Yu, W. 6334
 Yuan, Q. 6278
- Zetterlund, P. B. 6168
 Zhang, B. 6203
 Zhang, K. 6107
 Zheng, S. 6346
 Zhou, C. 6334
 Zou, B. 6268
 Zou, J. 6268