

Polymer Vol. 49, No. 19, 9 September 2008

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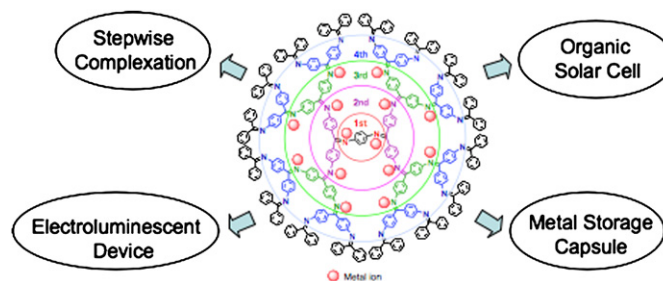
FEATURE ARTICLE

Synthesis and functionality of dendrimer with finely controlled metal assembly

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Kimihisa Yamamoto*, Kensaku Takanashi

Department of Chemistry, Keio University, Yokohama, 223-8522, Japan



POLYMER COMMUNICATIONS

Plasma polymerized ferrocene films

pp 4042–4045

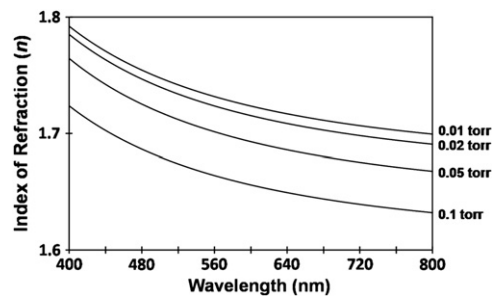
Jesse O. Enlow^a, Hao Jiang^b, John T. Grant^c, Kurt Eyink^a, Weijie Su^d, Timothy J. Bunning^{a,*}

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^c Research Institute, University of Dayton, Dayton, OH 45469, United States

^d AT&T Government Solutions, Dayton, OH 45324, United States

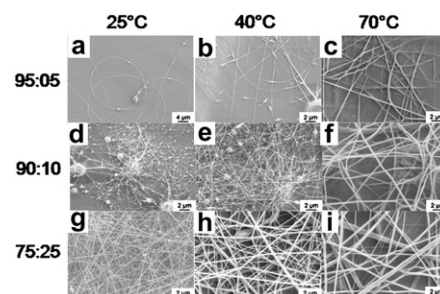


Effect of spinning temperature and blend ratios on electrospun chitosan/poly(acrylamide) blends fibers

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Keyur Desai, Kevin Kit*

Department of Material Science and Engineering, The University of Tennessee, Knoxville,
TN 37996, United States

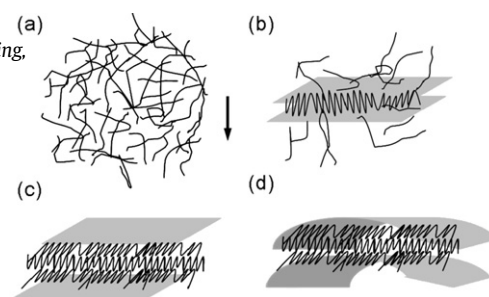
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Sichuan University, Chengdu 610065, China

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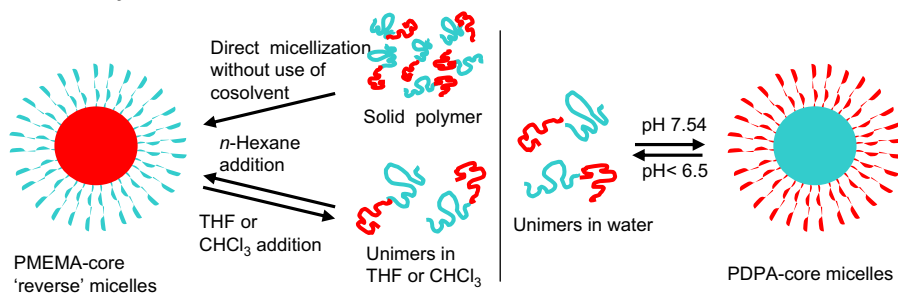
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Ahmet Atay^a, Sultan Bütün^a

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Science, Eskişehir Osmangazi University,
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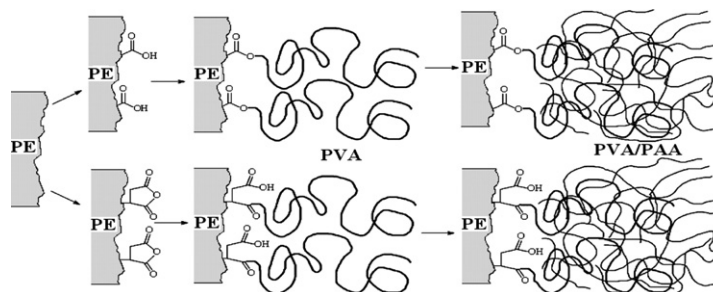
^b Department of Chemistry, Faculty of Arts and
Science, Afyon Kocatepe University, 03200
Afyonkarahisar, Turkey

**Multiple hydrophilic polymer ultra-thin layers covalently anchored to polyethylene films**

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Departamento de Química, Universidade Estadual de Maringá,
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Parana, Brazil

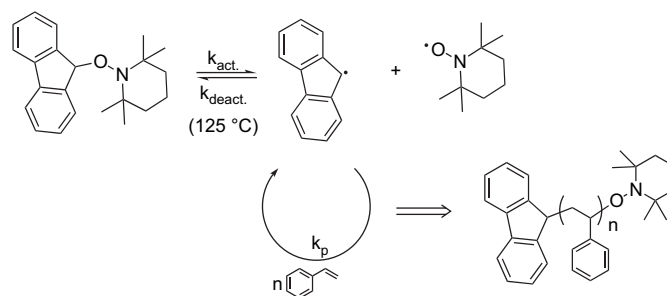


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Nathan D. Contrella, Eric S. Tillman*

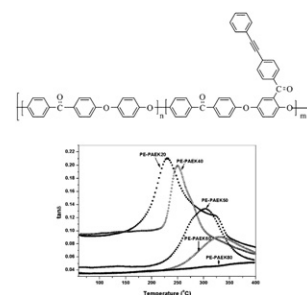
Department of Chemistry, Bucknell University, Lewisburg, PA 17837, United States

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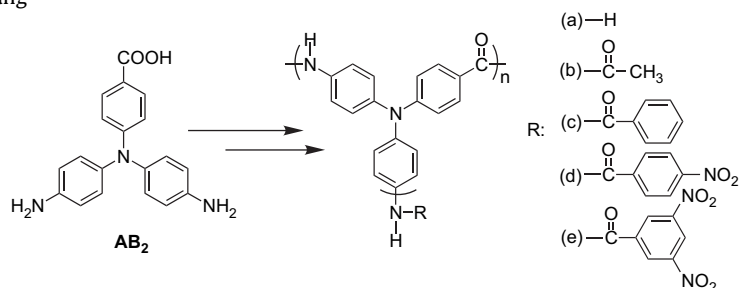
Beijing National Laboratory for Molecular Sciences, Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China

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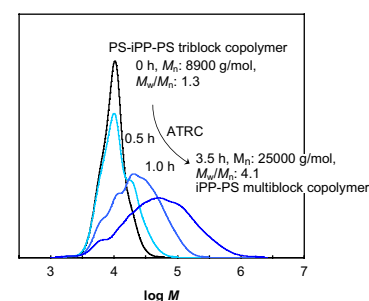
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Kun-Li Wang*, Sheng-Tung Huang, Li-Ga Hsieh, Guo-Syun Huang

Department of Chemical Engineering and Biotechnology, National Taipei University of Technology, Taipei 10608, Taiwan

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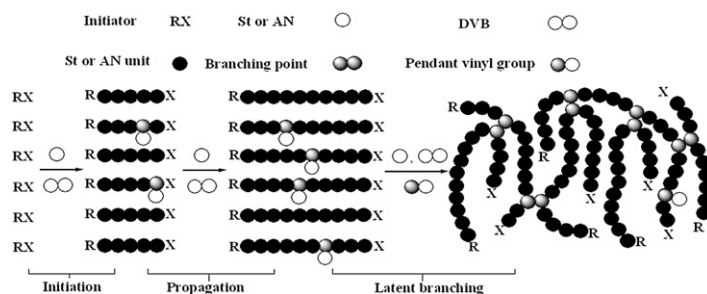
Daisuke Sasaki^{a,*}, Yoshihiro Suzuki^a, Toshiki Hagiwara^b, Shoichiro Yano^b, Takashi Sawaguchi^{b,**}^a Research and Development Division, San-ei Kogyo Corporation, 3-347 Togasaki, Misato-shi, Saitama 341-0044, Japan^b Department of Materials and Applied Chemistry, College of Science and Technology, Nihon University, 1-8-14 Kanda-Surugadai, Chiyoda-ku, Tokyo 101-8308, Japan

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School of Materials Science and Engineering, Jiangsu Polytechnic
University, Changzhou 213164, China



Correlation of vibrational intensity with fluorescence lifetimes in π conjugated polymers

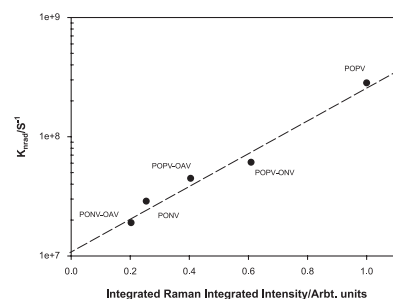
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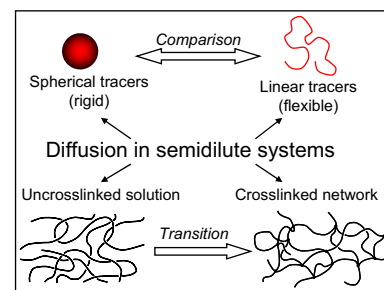


Diffusion of linear macromolecules and spherical particles in semidilute polymer solutions and polymer networks

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Sebastian Seiffert, Wilhelm Oppermann*

Institute of Physical Chemistry, Clausthal University of Technology, Arnold-Sommerfeld-Strasse 4, D-38678
Clausthal-Zellerfeld, Germany



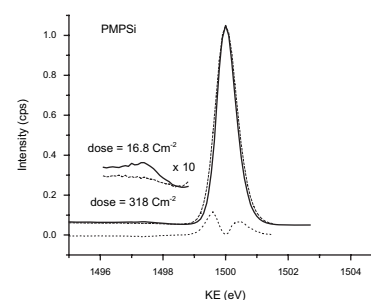
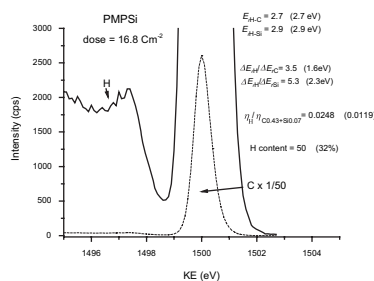
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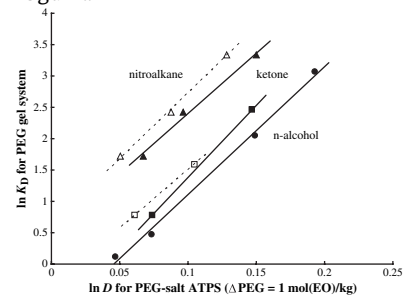
^a Institute of Physical Chemistry, Polish Academy of Sciences, ul. Kasprzaka 44/52, 01-224 Warszawa, Poland

^b Institute of Physics, Academy of Sciences of the Czech Republic, Cukrovarnicka 10, 162 53 Prague 6, Czech Republic



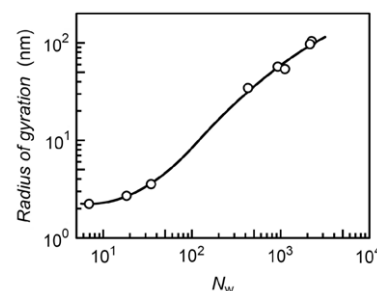
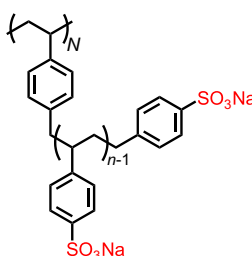
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Masami Shibukawa^{a,*}, Ryoichi Ichikawa^b, Takayuki Baba^b, Ryosaku Sakamoto^b, Shingo Saito^a, Koichi Oguma^b^a Graduate School of Science and Technology, Saitama University, 255 Shimo-Okubo, Sakura-ku, Saitama 338-8570, Japan^b Department of Applied Chemistry and Biotechnology, Graduate School of Engineering, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan

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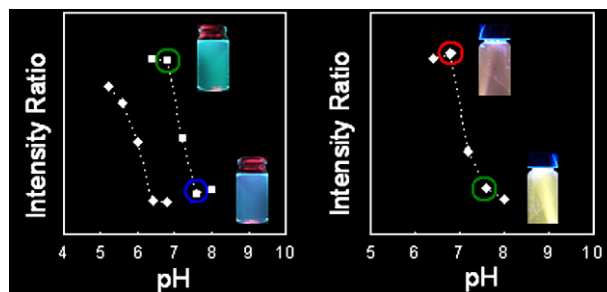
Eiji Kanemaru^a, Ken Terao^{a,*}, Yo Nakamura^b, Takashi Norisuye^a^a Department of Macromolecular Science, Graduate School of Science, Osaka University, 1-1 Machikaneyama-cho, Toyonaka, Osaka 560-0043, Japan^b Department of Polymer Chemistry, Graduate School of Engineering, Kyoto University, Katsura, Nishikyo-ku, Kyoto 615-8510, Japan

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Sung Woo Hong, Won Ho Jo^{*}

Department of Materials Science and Engineering, Seoul National University, Seoul 151-742, Republic of Korea

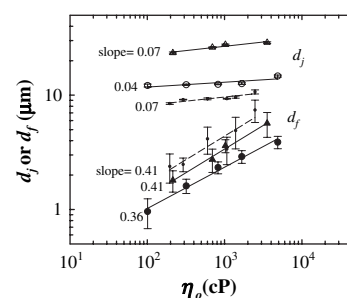


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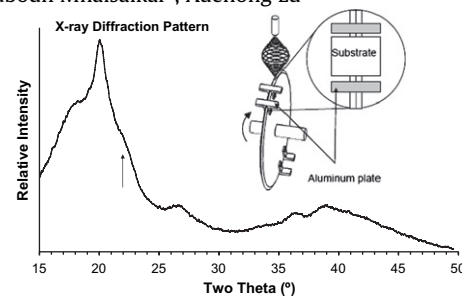
Chi Wang^{*}, Chia-Hung Hsu, I-Hwe Hwang

Department of Chemical Engineering, National Cheng Kung University, Tainan 701, Taiwan, ROC

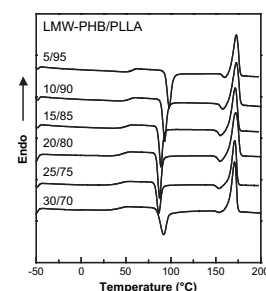


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Wu Aik Yee^a, Anh Chien Nguyen^a, Pooi See Lee^a, Masaya Kotaki^b, Ye Liu^c, Boon Teoh Tan^a, Subodh Mhaisalkar^a, Xuehong Lu^{a,*}^a School of Materials Science and Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798^b Division of Advanced Fibro Science, Kyoto Institute of Technology, Matsugasaki, Sakyo-ku, Kyoto 606-8585, Japan^c Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602**Crystallization behavior of poly(L-lactic acid) affected by the addition of a small amount of poly(3-hydroxybutyrate)**

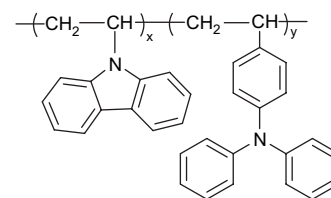
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Yun Hu^a, Harumi Sato^a, Jianming Zhang^{a,b}, Isao Noda^c, Yukihiko Ozaki^{a,*}^a Department of Chemistry, School of Science and Technology, and Research Center for Environment Friendly Polymers, Kwansei-Gakuin University, Gakuen, Sanda 669-1337, Japan^b Key Laboratory of Rubber-plastics, Ministry of Education, Department of Polymer Science and Engineering, Qingdao University of Science and Technology, Qingdao City 266042, People's Republic of China^c The Procter & Gamble Company, 8611 Beckett Road, West Chester, OH 45069, USA**New host copolymers containing pendant triphenylamine and carbazole for efficient green phosphorescent OLEDs**

pp 4211–4217

Chih-Cheng Lee, Kun-Ming Yeh, Yun Chen^{*}

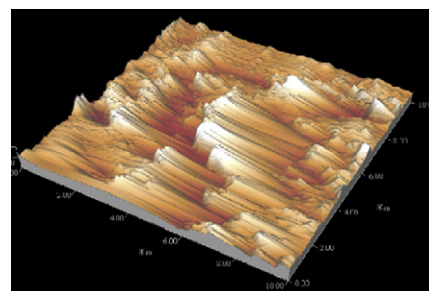
Department of Chemical Engineering, National Cheng Kung University, Tainan, Taiwan



P1–P6 (x:y = 12:88 ~ 89:11)

Formation mechanism of a nanotubular polyanilines prepared by an emulsion polymerization without organic solvent

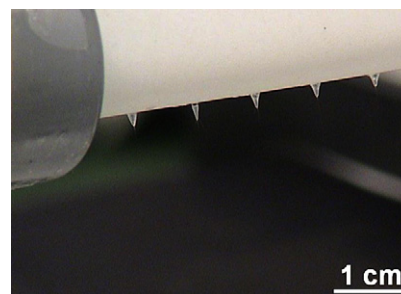
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Bi-Zen Hsieh^a, Hung-Yi Chuang^a, Liang Chao^b, Yu-Jen Li^a, Ying-Jie Huang^c, Po-Hao Tseng^d, Tar-Hwa Hsieh^a, Ko-Shan Ho^{a,*}^a Department of Chemical and Materials Engineering, National Kaohsiung University of Applied Sciences, 415 Chien-Kuo Road, Kaohsiung 807, Taiwan, ROC^b Center for General Education, Technology and Science Institute of Northern Taiwan, Peito, Taipei 11202, Taiwan, ROC^c Institute of Nanotechnology, National Chiao Tung University, 1001 Ta Hsueh Road, Hsinchu, Taiwan, ROC^d Ming-Dao High School, 497, Section 1, Chung-San Road, Wu-Zi County, Taichung, Taiwan, ROC

Electrospun nanofibers from a porous hollow tube

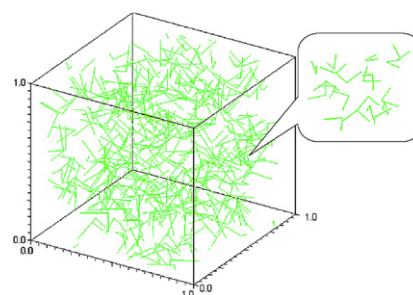
J.S. Varabhas, G.G. Chase*, D.H. Reneker

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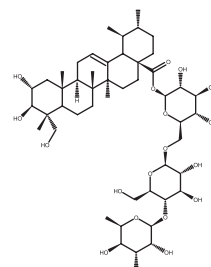
Microscale Physiochemical Engineering Center, The University of Akron, Akron, OH 44325-3906, United States**A three-dimensional Monte Carlo model for electrically conductive polymer matrix composites filled with curved fibers**

H.M. Ma, X.-L. Gao*

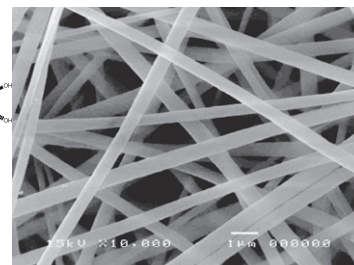
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Department of Mechanical Engineering, Texas A&M University, 3123 TAMU, College Station, TX 77843-3123, USA**Electrospun cellulose acetate fiber mats containing asiaticoside or *Centella asiatica* crude extract and the release characteristics of asiaticoside**Orawan Suwanton^a, Uracha Ruktanonchai^b, Pitt Supaphol^{a,*}

pp 4239–4247

^a *Technological Center for Electrospun Fibers and The Petroleum and Petrochemical College, Chulalongkorn University, Pathumwan, Bangkok, Thailand*^b *National Nanotechnology Center, Thailand Science Park, Klong Luang, Phatumthani, Thailand*

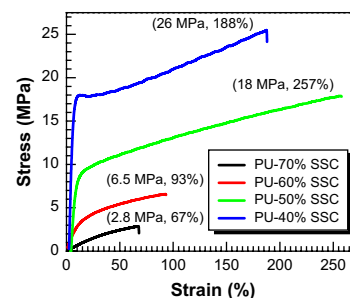
Asiaticoside (AC)



Electrospun cellulose acetate fibers containing 40% AC

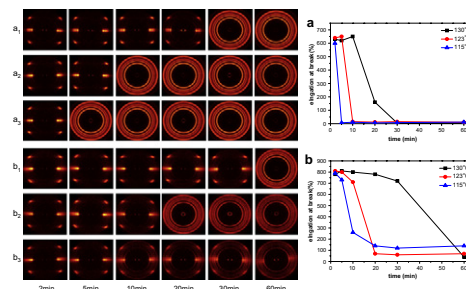
Morphology and properties of thermoplastic polyurethanes with dangling chains in ricinoleate-based soft segmentsYijin Xu^{a,*}, Zoran Petrovic^a, Sudipto Das^b, Garth L. Wilkes^b

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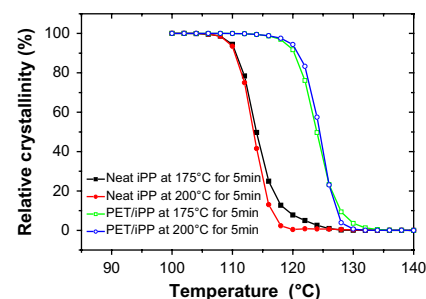
^a *Kansas Polymer Research Center, Pittsburg State University, Pittsburg, KS 66762, United States*^b *Department of Chemical Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061, United States*

Ductile–brittle transition controlled by isothermal crystallization of isotactic polypropylene and its blend with poly(ethylene-co-octene)

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Yongyan Pang^{a,c}, Xia Dong^{a,*}, Kaipeng Liu^b, Charles C. Han^a, Erqiang Chen^b, Dujin Wang^{a,*}^a Beijing National Laboratory for Molecular Sciences, Key Laboratory of Engineering Plastics, State Key Laboratory of Polymer Physics and Chemistry, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, China^b Beijing National Laboratory for Molecular Sciences, Department of Polymer Science and Engineering and the Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China^c Graduate School of Chinese Academy of Sciences, Beijing 100190, China**Crystallization of oriented isotactic polypropylene (iPP) in the presence of in situ poly(ethylene terephthalate) (PET) microfibrils**

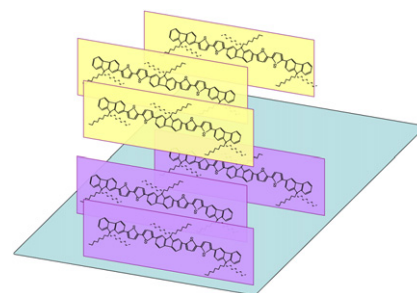
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Gan-Ji Zhong^a, Zhong-Ming Li^{a,*}, Liangbin Li^b, Kaizhi Shen^a^a College of Polymer Science and Engineering, State Key Laboratory of Polymer Materials Engineering, Sichuan University, Chengdu, Sichuan 610065, PR China^b National Synchrotron Radiation Laboratory, Department of Polymer Science and Engineering, University of Science and Technology of China, Hefei 230026, PR China**Film morphology and molecular orientation in oligothiophene-fluorene films**

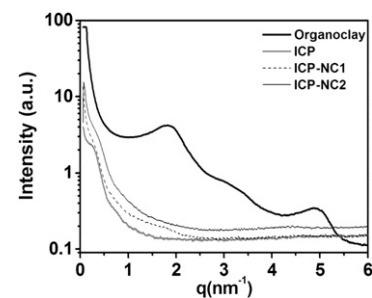
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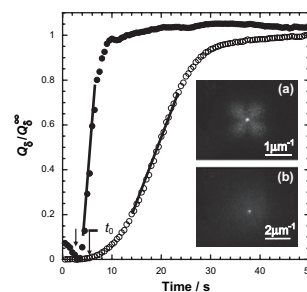
Na Li, Xiaojie Zhang, Yanhou Geng, Zhaohui Su^{*}

State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry and Graduate School of the Chinese Academy of Sciences, Chinese Academy of Sciences, 5625 Renmin Street, Changchun 130022, China

**Quantification of organoclay dispersion and lamellar morphology in poly(propylene)–clay nanocomposites with small angle X-ray scattering**

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Nisha Preschilla^a, Sivalingam Gunasekaran^a, A.S. Abdul Rasheed^b, Sandeep Tyagi^a, Amit Biswas^a, Jayesh R. Bellare^{b,*}^a Polymer Research and Technology Centre, Reliance Industries Limited, V.N. Purav Marg, Chembur, Mumbai 400073, India^b Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400071, India

Crystallization behavior of nano-composite based on poly(vinylidene fluoride) and organically modified layered titanate pp 4298–4306Kumiko Asai^a, Masami Okamoto^{a,*}, Kohji Tashiro^b^a Advanced Polymeric Nanostructured Materials Engineering, Graduate School of Engineering, Toyota Technological Institute, 2-12-1 Hisakata, Tempaku, Nagoya 468 8511, Japan^b Department of Future Industry-Oriented Basic Science and Materials, Graduate School of Engineering, Toyota Technological Institute, 2-12-1 Hisakata, Tempaku, Nagoya 468 8511, Japan**OTHER CONTENTS****Corrigendum**

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