

Polymer Vol. 51, No. 2, 21 January 2010

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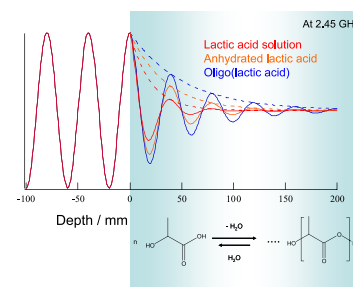
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Takashi Nakamura, Ritsuko Nagahata*, Shigenori Suemitsu, Kazuhiko Takeuchi

National Institute of Advanced Industrial Science and Technology (AIST), AIST Tsukuba Central 5, 1-1-1 Higashi, Tsukuba, Ibaraki 305-8565, Japan



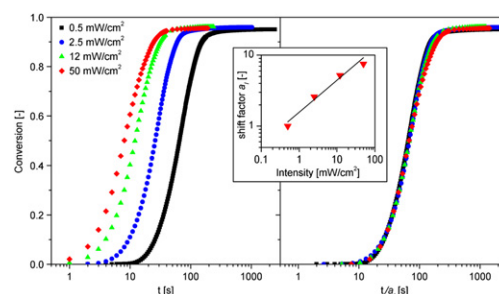
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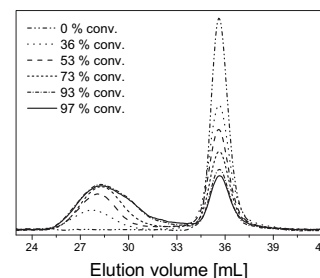
Sara Dalle Vacche, Valérie Geiser, Yves Leterrier*, Jan-Anders E. Månson

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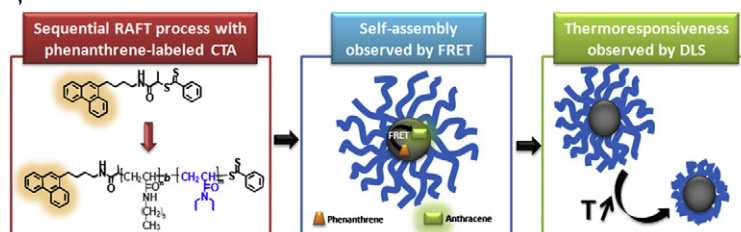
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Aleksandra Mendrek^{a,b}, Sebastian Mendrek^{a,b}, Hans-Juergen Adler^a, Andrzej Dworak^b, Dirk Kuckling^{c,*}^a Fachrichtung Chemie und Lebensmittelchemie, Technische Universität Dresden, D-01062 Dresden, Germany^b Center of Polymer and Carbon Materials, M. Skłodowskiej-Curie 34, 41-819 Zabrze, Poland^c Department Chemie, Universität Paderborn, Warburgerstrasse 100, D-33098 Paderborn, Germany

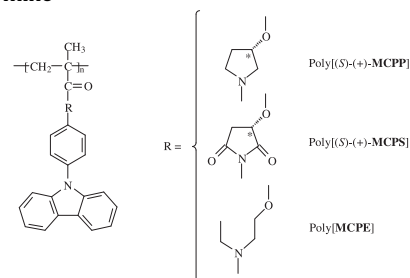
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Telmo J.V. Prazeres^{a,b}, Mariana Beija^{a,b}, Marie-Thérèse Charreyre^{a,*}, José Paulo S. Farinha^b, José M.G. Martinho^{b,**}^a Unité Mixte CNRS-bioMérieux, École Normale Supérieure de Lyon, 46 Allée d'Italie, 69364 Lyon Cedex 07, France^b Centro de Química-Física Molecular and IN – Institute of Nanoscience and Nanotechnology, Instituto Superior Técnico, Av. Rovisco Pais 1, 1049-001 Lisboa, Portugal

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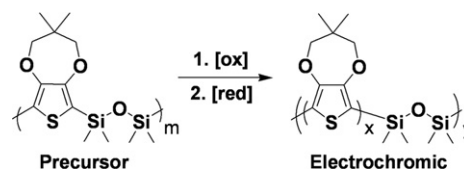
Luigi Angiolini^{a,*}, Loris Giorgini^a, Huawei Li^b, Attilio Golemme^b, Francesco Mauriello^a, Roberto Termine^c^a Dipartimento di Chimica Industriale e dei Materiali and INSTM UdR-Bologna, University of Bologna, Viale Risorgimento 4, 40136 Bologna, Italy^b INSTM UdR-Calabria, Centro di Eccellenza CEMIF.CAL, Dipartimento di Chimica, University of Calabria, 87036 Rende (CS), Italy^c Laboratorio Licryl INFM-CNR and Centro di Eccellenza CEMIF.CAL, 87036 Rende (CS), Italy

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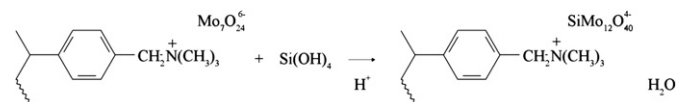
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Low-bandgap poly(4H-cyclopenta[def]phenanthrene) derivatives with 4,7-dithienyl-2,1,3-benzothiadiazole unit for photovoltaic cells

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Jinwoo Kim^a, Sung Heum Park^g, Shinuk Cho^b, Youngeup Jin^e, Jaehong Kim^a, Il Kim^c, Jin Sook Lee^d, Joo Hyun Kim^e, Han Young Woo^f, Kwanghee Lee^g, Hongsuk Suh^{a,*}

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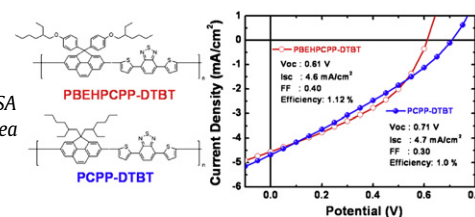
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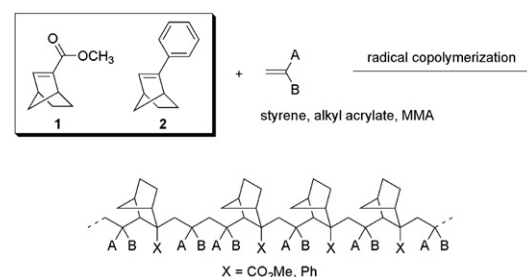
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Enhanced thermo-oxidative stability of sulfophenylated poly(ether sulfone)s

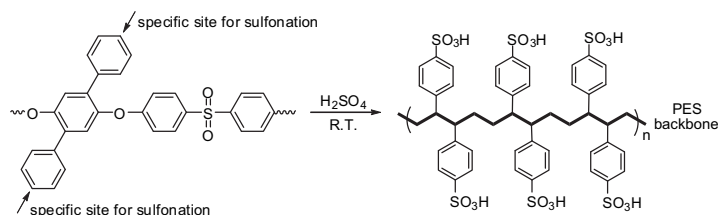
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Baijun Liu^{a,*}, Gilles P. Robertson^b, Dae-Sik Kim^b, Xiaohong Sun^c, Zhenhua Jiang^a, Michael D. Guiver^b

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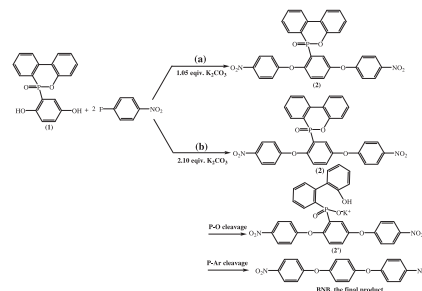
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^c Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, 5625 Renmin Street, Changchun 130022, PR China



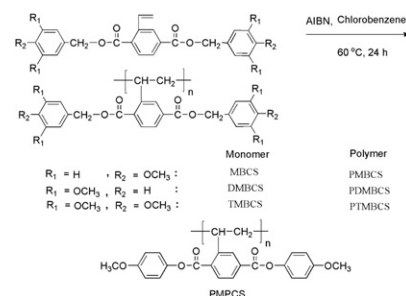
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Ching Hsuan Lin^{a,*}, Sheng Lung Chang^a, Yu Ting Fang^a, Hann Jang Hwang^b, Cheng Hsien Tsai^c^a Department of Chemical Engineering, National Chung Hsing University, Taichung, Taiwan^b Department of Cosmetic Science, Chung Hwa University of Medical Technology, Tainan, Taiwan^c Department of Chemical and Material Engineering, National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan

Structure–property relationship of a series of novel mesogen-jacketed liquid-crystalline polymers containing semirigid side chain with different numbers of alkoxy terminal groups

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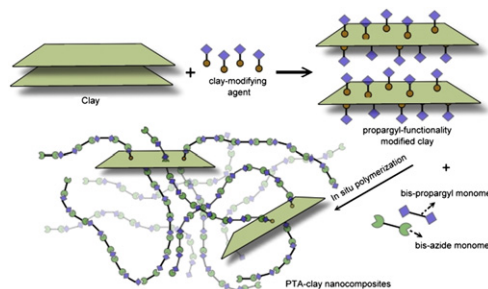
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Polytriazole/clay nanocomposites synthesized using in situ polymerization and click chemistry

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Yun-Sheng Ye, Ying-Chieh Yen, Chih-Chia Cheng, Yu-Jyuan Syu, Yao-Jeng Huang, Feng-Chih Chang^{*}

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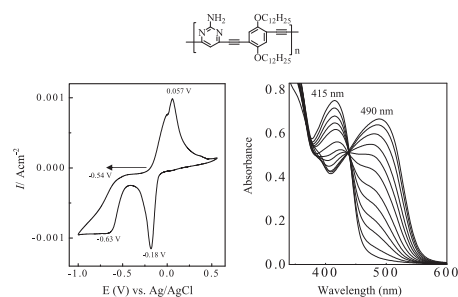


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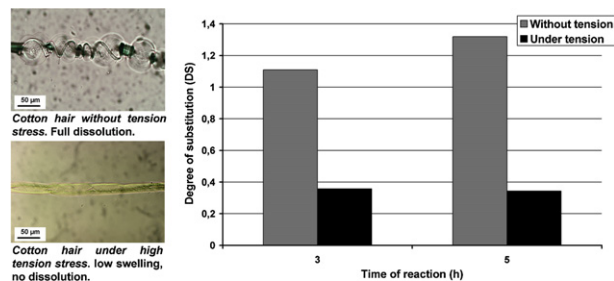
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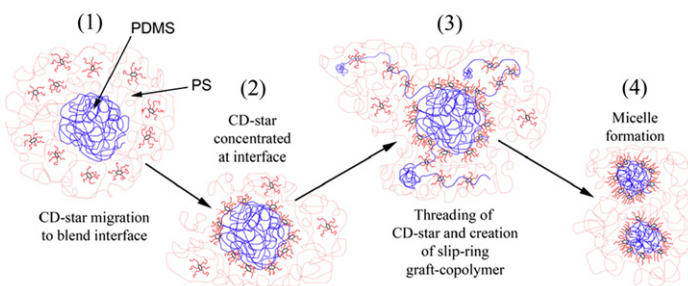


Restricted dissolution and derivatization capacities of cellulose fibres under uniaxial elongational stress

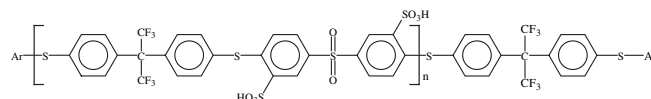
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Nicolas Le Moigne^a, Monica Spinu^{a,b}, Thomas Heinze^a, Patrick Navard^{a,*}^a Mines ParisTech, CEMEF – Centre de Mise en Forme des Matériaux, CNRS UMR 7635, BP 207, 1 Rue Claude Daunesse, F-06904 Sophia Antipolis Cedex, France^b Kompetenzzentrum Polysaccharidforschung, Friedrich-Schiller-Universität Jena, Humboldtstrasse 10, D-07743 Jena, Germany**Compatibilization of polystyrene/poly(dimethyl siloxane) solutions with star polymers containing a γ -cyclodextrin core and polystyrene arms**

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Brad J. Busche^b, Alan E. Tonelli^a, C. Maurice Balik^{b,*}^a Fiber and Polymer Science Program, North Carolina State University, Campus Box 8301, Raleigh, NC 27695, United States^b Department of Materials Science and Engineering, North Carolina State University, Campus Box 7907, Raleigh, NC 27695, United States**Synthesis and characterization of fully disulfonated poly(arylenethioethersulfone)s containing hexafluoroisopropylidene moiety**

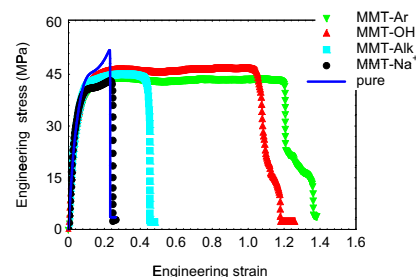
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Thuy D. Dang^a, Zongwu Bai^{b,*}, Joseph Shumaker^b, Narayanan Venkatasubramanian^b^a AFRL/RXBN, Materials & Manufacturing Directorate, Wright-Patterson Air Force Base, Dayton, OH 45433, United States^b University of Dayton Research Institute, University of Dayton, 300 College Park Drive, Dayton, OH 45469, United States**Clay nanocomposites based on poly(vinylidene fluoride-co-hexafluoropropylene): Structure and properties**

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Antonios Kelarakis^{*}, Suren Hayrapetyan, Seema Ansari, Jason Fang, Luis Estevez, Emmanuel P. Giannelis^{*}

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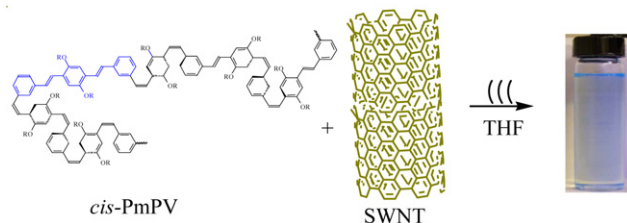
Wenhui Yi^a, Andrey Malkovskiy^b, Yongqian Xu^a, Xiao-Qian Wang^c, Alexei P. Sokolov^b,
Marisabel Lebron-Colon^d, Michael A. Meador^d, Yi Pang^{a,*}

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The design of well-defined PDMS–Magnetite complexes

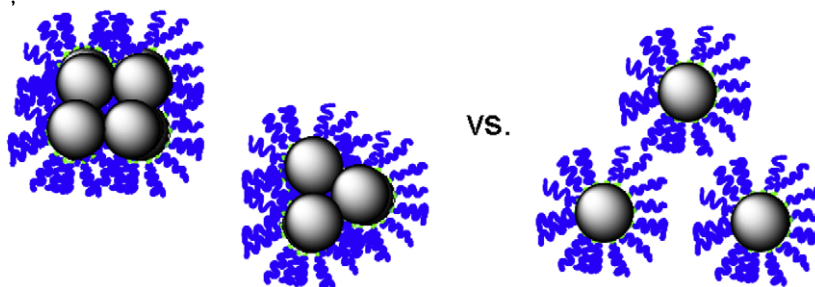
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W.C. Miles^{a,c}, J.D. Goff^{b,c}, P.P. Huffstetler^{b,c}, O.T. Mefford^{b,c},
J.S. Riffle^{b,c}, R.M. Davis^{a,c,*}

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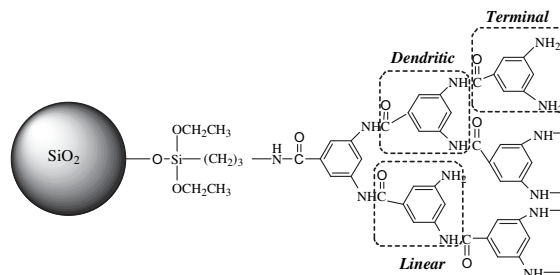
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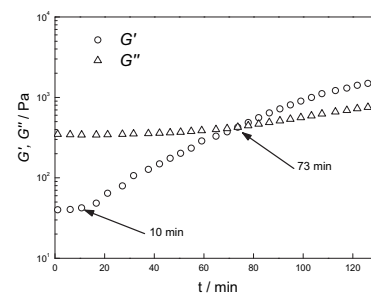
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Yonggang Shangguan^{a,b}, Chunhui Zhang^{a,b}, Yanli Xie^{a,b}, Ruifen Chen^{a,b}, lei Jin^{a,b}, Qiang Zheng^{a,b,*}

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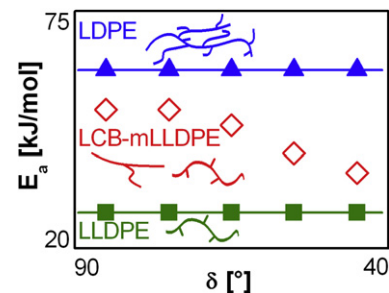


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D-91058 Erlangen, Germany



Experimental measurement and numerical simulation of viscosity reduction effects in HMMPE containing a small amount of exfoliated organoclay-modified TLCP composite

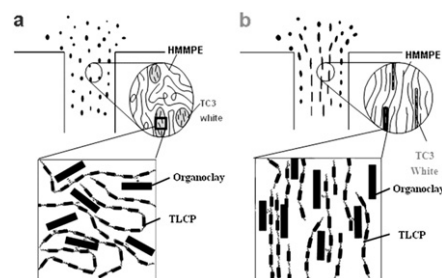
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You Hong Tang^{a,*}, Ping Gao^{a,*}, Lin Ye^b, Chengbi Zhao^c

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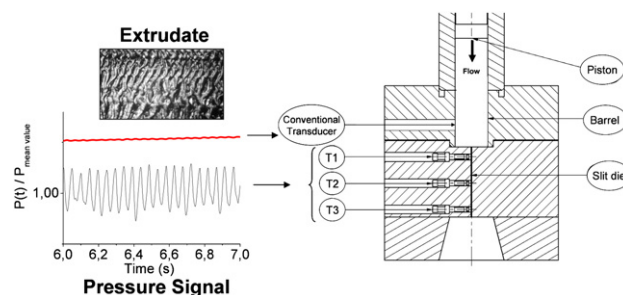
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Humberto Palza^{a,b,*}, Susana Filipe^a, Ingo F.C. Naue^a, Manfred Wilhelm^a

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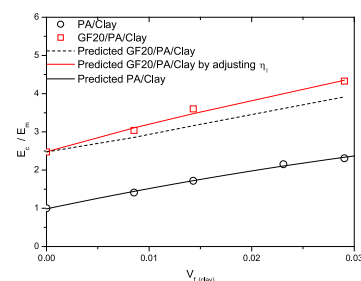
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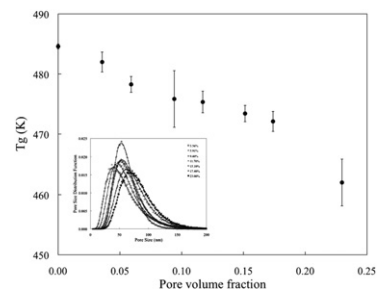


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Tong Liu, Richard W. Siegel, Rahmi Ozisik*

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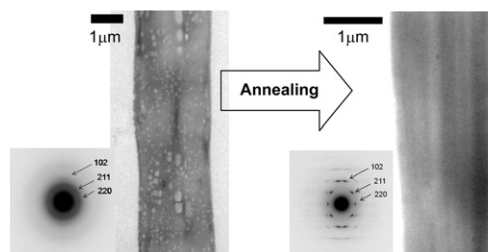


Latent orientation in the skin layer of electrospun isotactic polystyrene ultrafine fibers

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Masatoshi Tosaka*, Katsuya Yamaguchi, Masaki Tsuji

Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan



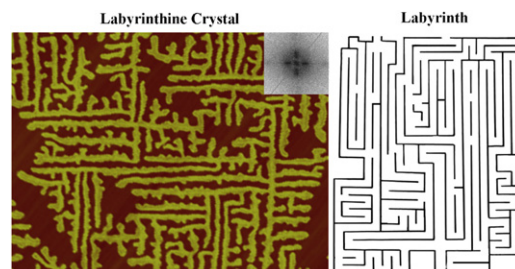
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Guoliang Zhang^a, Liuxin Jin^a, Ping Zheng^a, An-Chang Shi^b, Wei Wang^{a,*}

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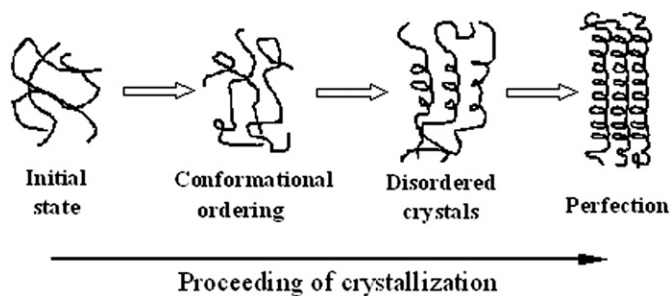
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Bing Na^{a,*}, Nana Tian^a, Ruihua Lv^a, Zhujun Li^a, Wenfei Xu^a, Qiang Fu^{b,**}

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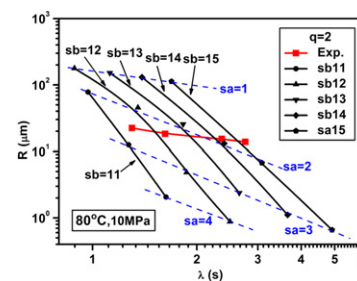
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Rheological control in foaming polymeric materials: I. Amorphous polymers

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Ruogu Liao, Wei Yu*, Chixing Zhou

Advanced Rheology Institute, Department of Polymer Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, PR China**Diffusion of polymer chains in porous media. A Monte Carlo study**

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Andrzej Sikorski*, Piotr Adamczyk

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