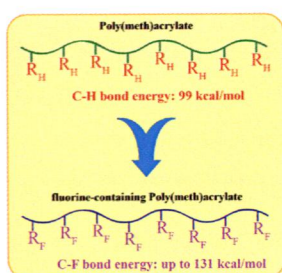
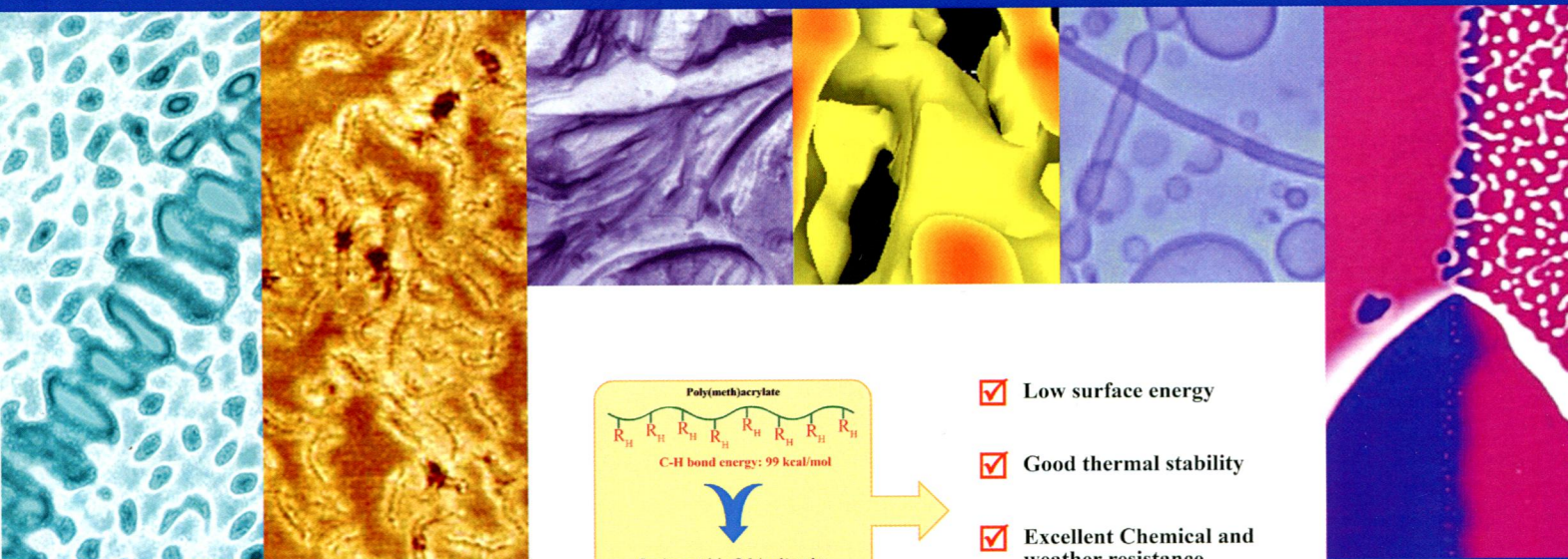
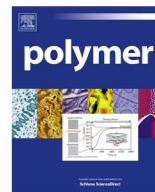


polymer



- Low surface energy
- Good thermal stability
- Excellent Chemical and weather resistance
- Low refractive index and high transmittance



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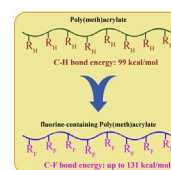
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Wenqiang Yao, Yongjun Li**, Xiaoyu Huang*

Key Laboratory of Synthetic and Self-Assembly Chemistry for Organic Functional Molecules, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 345 Lingling Road, Shanghai 200032, PR China



- Low surface energy
- Good thermal stability
- Excellent Chemical and weather resistance
- Low refractive index and high transmittance

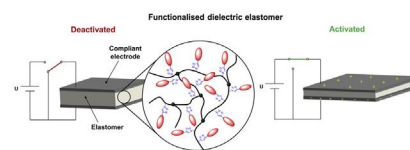
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Danish Polymer Center, Department of Chemical and Biochemical Engineering, Technical University of Denmark, Building 227, 2800 Kgs. Lyngby, Denmark



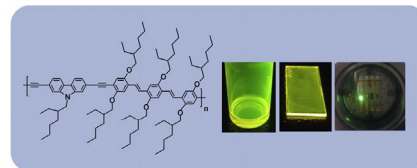
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^aInstitute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovský Sq. 2, 162 06 Prague 6, Czech Republic

^bLinz Institute for Organic Solar Cells, Physical Chemistry, Johannes Kepler University Linz, Altenbergerstr. 69, 4040 Linz, Austria

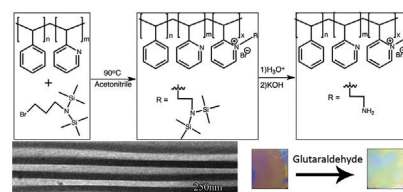


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Fischell Department of Bioengineering, University of Maryland, College Park, MA 20742, USA



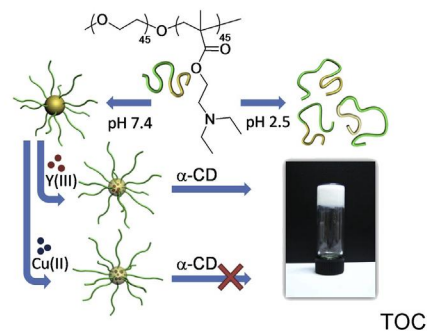
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Wen Zhu^a, Ke Zhang^{a,**}, Yongming Chen^{a,b,*}

^aLaboratory of Polymer Physics and Chemistry, Institute of Chemistry, The Chinese Academy of Sciences, Beijing 100190, China

^bSchool of Chemistry and Chemical Engineering, Key Laboratory for Polymeric Composite and Functional Materials of Ministry of Education, Sun Yat-Sen University, No. 135, Xingang Xi Road, Guangzhou 510275, China

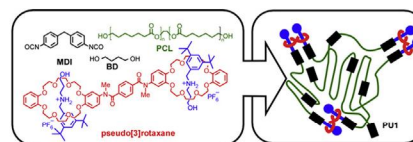


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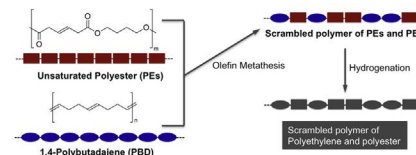
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Division of Materials Science, Graduate School of Engineering, Nagasaki University, 1-14 Bunkyo, Nagasaki 852-8521, Japan



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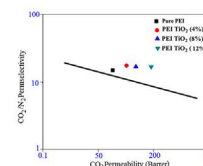
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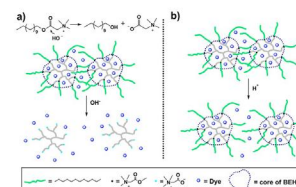
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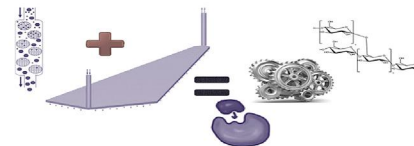
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Key Laboratory of Marine Materials and Related Technologies, Zhejiang Key Laboratory of Marine Materials and Protective Technologies, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo 315201, China

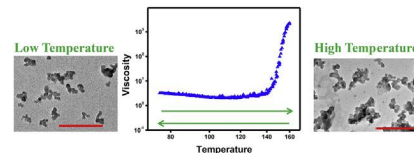
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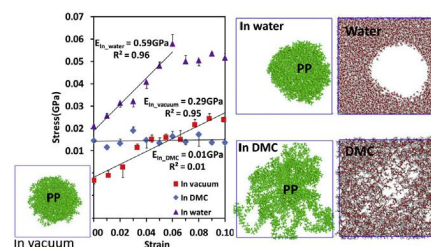
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Antonios Kelarakis^{a,*}, Marta J. Krysmann^b, Emmanuel P. Giannelis^c^a Centre for Materials Science, School of Forensic and Investigative Sciences, University of Central Lancashire, Preston PR12HE, UK^b School of Pharmacy and Biomedical Sciences, University of Central Lancashire, Preston PR12HE, UK^c Department of Materials Science and Engineering, Cornell University, Ithaca, NY 14853, USA

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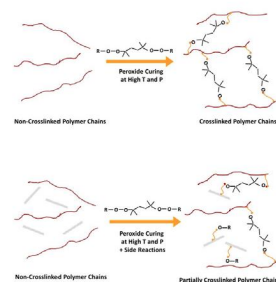
Shutian Yan^a, Xinran Xiao^a, Xiaosong Huang^b, Xiaodong Li^c, Yue Qi^{d,*}^a Department of Mechanical Engineering, Michigan State University, 2727 Alliance Dr, Lansing, MI 48910, United States^b Chemical Sciences & Materials Systems Lab, General Motors Global Research & Development, 30500 Mound Rd, Warren, MI 48090, United States^c Department of Mechanical and Aerospace Engineering, University of Virginia, Charlottesville, VA 22904, United States^d Department of Chemical Engineering and Materials Science, Michigan State University, East Lansing, MI 48824, United States

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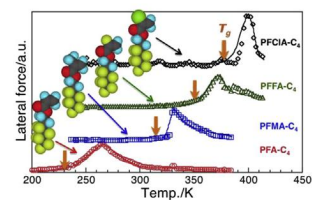
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Polymer Processing Group, Department of Chemical and Petroleum Engineering, University of Calgary, 2500 University Drive NW Calgary, AB T2N 1N4, Canada



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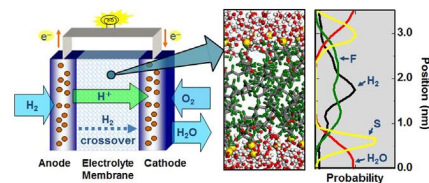
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Tomonori Kawakami*, Isamu Shigemoto

Advanced Materials Research Laboratories, Toray Industries, Inc., 2-1 Sonoyama 3-chome, Otsu, Shiga, 520-0842, Japan

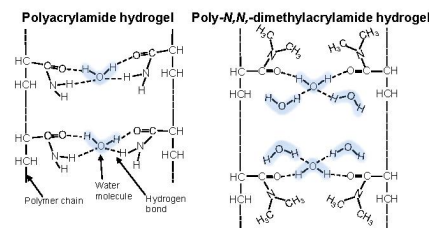


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Yurina Sekine^{a,*}, Hajime Takagi^b, Sayoko Sudo^b, Yutaro Kajiwarab, Hiroshi Fukazawa^a, Tomoko Ikeda-Fukazawa^{b,**}

^aQuantum Beam Science Center, Japan Atomic Energy Agency, 2-4, Shirakata-Shirane, Naka-gun, Tokai, Ibaraki 319-1195, Japan

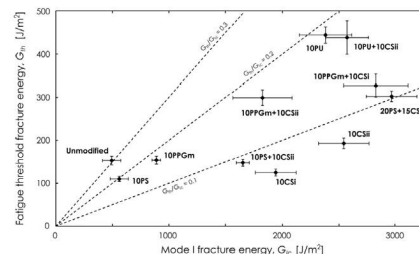
^bDepartment of Applied Chemistry, Meiji University, 1-1-1, Higashi-Mita, Tama-ku, Kawasaki, Kanagawa 214-8571, Japan



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A.J. Kinloch*, S.H. Lee, A.C. Taylor*

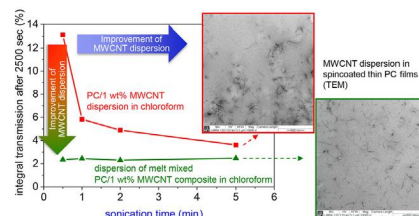
Imperial College London, Department of Mechanical Engineering, South Kensington Campus, London SW7 2AZ, UK



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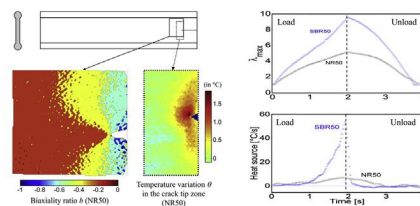
Ulrike Staudinger*, Beate Krause, Christine Steinbach, Petra Pötschke, Brigitte Voit

Leibniz-Institut für Polymerforschung Dresden e.V., Hohe Straße 6, 01069 Dresden, Germany



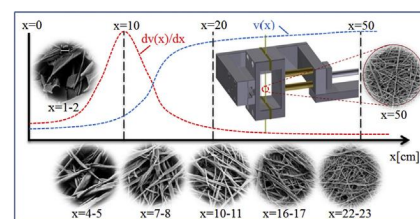
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J.R. Samaca Martinez^{a,b,c}, X. Balandraud^{b,d,*}, E. Toussaint^{a,b}, J.-B. Le Cam^e, D. Berghezan^c^a Clermont Université, Université Blaise Pascal, Institut Pascal, BP 10448, 63000 Clermont-Ferrand, France^b CNRS, UMR 6602, Université Blaise Pascal, Institut Pascal, 63171 Aubière, France^c Michelin, CERL Ladoux, 63040 Clermont-Ferrand, France^d Clermont Université, Institut Français de Mécanique Avancée, Institut Pascal, BP 10448, 63000 Clermont-Ferrand, France^e Université de Rennes 1, Institut de Physique de Rennes, UMR 6251, Campus de Beaulieu, 35042 Rennes, France

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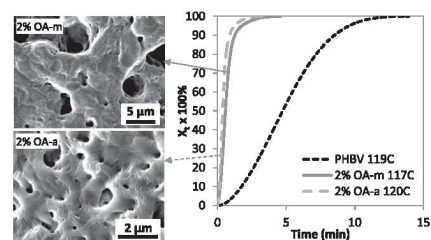
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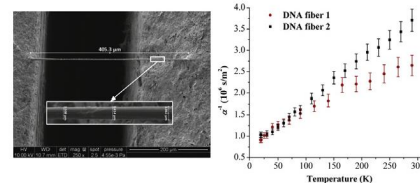
Amy Tsui*, Curtis W. Frank

Department of Chemical Engineering, Stanford University, 381 North-South Mall, Stanford, CA 94305, USA



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Zaoli Xu^a, Xinwei Wang^{a,b,*}, Huaqing Xie^c^a Department of Mechanical Engineering, Iowa State University, Ames, IA 50011, USA^b School of Power and Mechanical Engineering, Wuhan University, Wuhan, Hubei 430072, PR China^c School of Urban Development and Environmental Engineering, Shanghai Second Polytechnic University, Shanghai 201209, PR China

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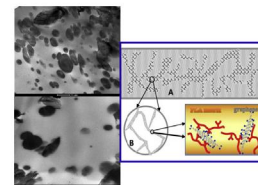
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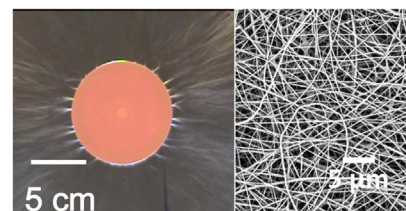
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N.M. Thoppey^a, R.E. Gorga^a, L.I. Clarke^{b,**}, J.R. Bochinski^{b,*}

^aFiber and Polymer Science Program, NC State University, Raleigh, NC 27695, USA

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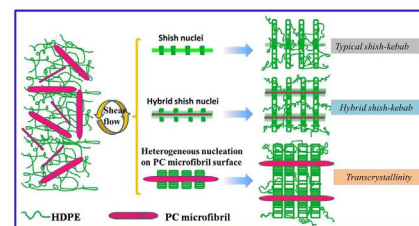


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Xiao-Chao Xia, Wei Yang, Quan-Ping Zhang, Long Wang, Shan He, Ming-Bo Yang*

College of Polymer Science & Engineering, and the State Key Laboratory of Polymer Materials Engineering, Sichuan University, Chengdu 610065, Sichuan, PR China

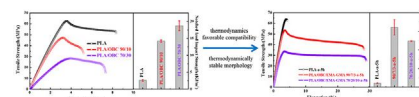


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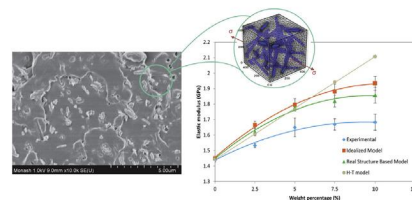
Meng Wu, Zhiqiang Wu, Ke Wang*, Qin Zhang, Qiang Fu*

College of Polymer Science and Engineering, Sichuan University, State Key Laboratory of Polymer Materials Engineering, Chengdu 610065, People's Republic of China



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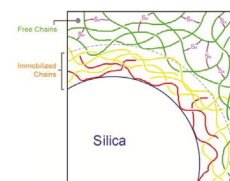
R.T. De Silva^a, Pooria Pasbakhsh^{a,*}, K.L. Goh^b, Leon Mishnaevsky, Jr.^c^a Multidisciplinary Platform of Advance Engineering, Mechanical Engineering Discipline, School of Engineering, Monash University Malaysia, 47500 Selangor, Malaysia^b School of Mechanical and Systems Engineering, Newcastle University, UK^c Department of Wind Energy, Technical University of Denmark, Denmark

Vulcanization kinetics of nano-silica filled styrene butadiene rubber

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