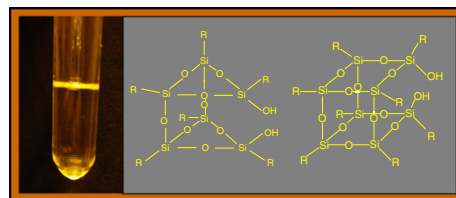




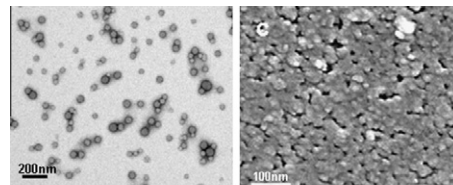
Graphical Abstracts/Eur Polym J 46 (2010) 1811–1814

MACROMOLECULAR NANOTECHNOLOGY
ARTICLES**Synthesis of silsesquioxanes based in (3-methacryloxypropyl)-trimethoxysilane using methacrylate monomers as reactive solvents**

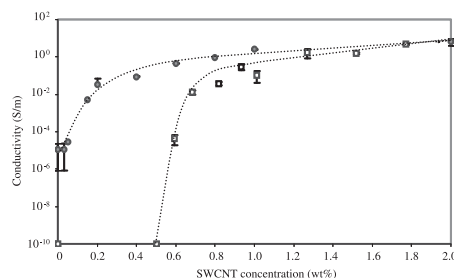
Eur Polym J 46 (2010) 1815

Silvana V. Asmussen^a, Silvana L. Giudicessi^b, Rosa Erra-Balsells^b,
Claudia I. Vallo^a^aInstitute of Materials Science and Technology (INTEMA), University of Mar del Plata, CONICET,
Juan B Justo 4302, 7600 Mar del Plata, Argentina^bCIHDECAR-CONICET, Departamento de Química Orgánica, Facultad de Ciencias Exactas y
Naturales, Universidad de Buenos Aires, Pabellón II-Ciudad Universitaria, (1428) Ciudad
Autónoma de Buenos Aires, Argentina**Self-organization of dipeptide-grafted polymeric nanoparticles film: A novel method for surface modification**

Eur Polym J 46 (2010) 1824

Jingtian Han^a, Patrick Silcock^a, A. James McQuillan^b, Phil Bremer^a^aDepartment of Food Science, University of Otago, P.O. Box 56, Dunedin, New Zealand^bDepartment of Chemistry, University of Otago, P.O. Box 56, Dunedin, New ZealandTEM image of polymer
nanoparticlesSEM photograph of polymer
nanoparticles film**Isotactic polypropylene/carbon nanotube composites prepared by latex technology: Electrical conductivity study**

Eur Polym J 46 (2010) 1833

Nadia Grossiord^{a,d}, Mariëlle E.L. Wouters^b, Hans E. Miltner^c, Kangbo Lu^{a,d},
Joachim Loos^{a,d}, Bruno Van Mele^c, Cor E. Koning^{a,c,d}^aEindhoven University of Technology, Laboratory of Polymer Chemistry, Laboratory of Materials and Interface
Chemistry, Laboratory of Polymer Technology, P.O. Box 513, 5600 MB Eindhoven, The Netherlands^bTNO Science and Industry, BU Materials Technology, De Rondom 1, P.O. Box 6235, 5600 HE Eindhoven, The
Netherlands^cVrije Universiteit Brussel, Physical Chemistry and Polymer Science (H.E.M., B.V.M.) and Physical and Colloidal
Chemistry (C.E.K.), Pleinlaan 2, 1050 Brussels, Belgium^dDutch Polymer Institute, P.O. Box 902, 5600 AX Eindhoven, The NetherlandsSurface conductivity as a function of Single-Wall Carbon Nanotubes concentration for: (●)
SWCNT/iPP-g-MA, (□) SWCNT/PS nanocomposites.

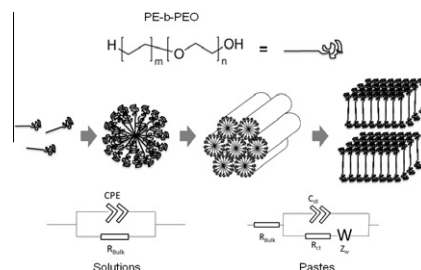
Polymer–clay nanocomposites: Free-radical grafting of polyacrylamide onto organophilic montmorillonite

Eur Polym J 46 (2010) 1844

Y. Mansoori^a, S.V. Atghia^a, M.R. Zamanloo^a, Gh. Imanzadeh^a, M. Sirousazar^{b,c}^aDepartment of Applied Chemistry, Faculty of Science, University of Mohaghegh Ardabili, Ardabil 56199-11367, Iran^bPolymer Engineering Department, Faculty of Chemical Engineering, Tarbiat Modares University, Tehran, Iran^cFaculty of Chemical Engineering, Urmia University of Technology, Urmia, Iran

Aggregational processes of low molecular weight polyethylene-*b*-polyethylene oxide diblock copolymer probed by electrical impedance spectroscopy

Eur Polym J 46 (2010) 1854

E.S. Araújo^a, J. Rieumont^b, C. Nogueiras^b, H.P. de Oliveira^a^aColegiado de Pós-Graduação em Ciência dos Materiais, Universidade Federal do Vale do São Francisco, 48902-300 Juazeiro, BA, Brazil^bFacultad de Química, Universidad de La Habana, Cuba

REGULAR ARTICLES

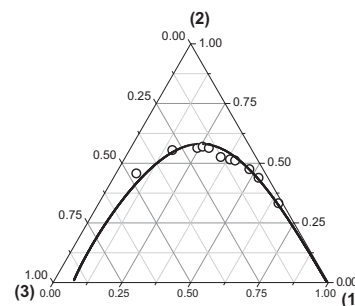
Applicability of a modified double lattice model for liquid–liquid equilibria of mixed-solvent polymer systems

Eur Polym J 46 (2010) 1860

Suk Yung Oh, Young Chan Bae

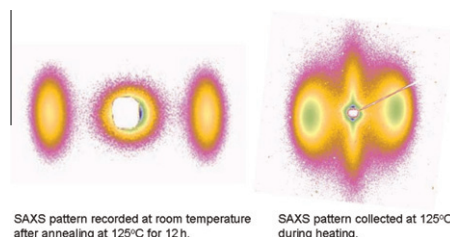
Division of Chemical Engineering and Molecular Thermodynamics Laboratory, Hanyang University, Seoul 133-791, Republic of Korea

The proposed multicomponent model correlated well with experimental ternary LLE data of mixed-solvent polymer systems.



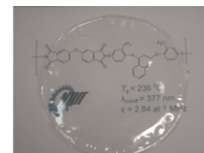
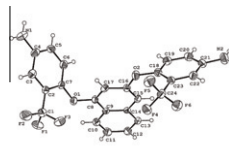
Structural evolution of melt-drawn transparent high-density polyethylene during heating and annealing: Synchrotron small-angle X-ray scattering study

Eur Polym J 46 (2010) 1866

Zhiyong Jiang^a, Yujing Tang^a, Jens Rieger^b, Hans-Friedrich Enderle^c, Dieter Lilge^c, Stephan V. Roth^d, Rainer Gehrke^d, Zhonghua Wu^e, Zhihong Li^e, Xiuhong Li^f, Yongfeng Men^a^aSKLPPC, CIAC, CAS, Renmin Street 5625, 130022 Changchun, PR China^bBASF SE, Polymer Physics, 67056 Ludwigshafen, Germany^cBasell Polyolefine GmbH, R&D, 65926 Frankfurt, Germany^dHASYLAB am DESY, Notkestr. 85, 22607 Hamburg, Germany^eBSRF, Institute of High Energy Physics, CAS, Beijing 100039, PR China^fSSRF, Shanghai Institute of Applied Physics, CAS, Shanghai 201800, PR China

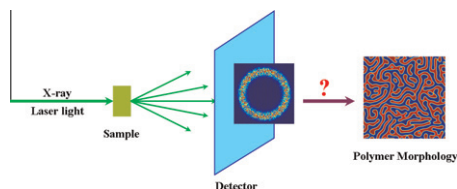
Synthesis, characterization of novel fluorinated polyimides derived from 1,3-bis(4-amino-2-trifluoromethylphenoxy)naphthalene and aromatic dianhydrides

Eur Polym J 46 (2010) 1878

Sheng-Huei Hsiao^a, Wenjeng Guo^a, Cheng-Lin Chung^b, Wen-Tung Chen^c^aDepartment of Chemical Engineering and Biotechnology, National Taipei University of Technology, 1 Chunghsiao East Road, 3rd Section, Taipei 10608, Taiwan, ROC^bDepartment of Chemical Engineering, Tatung University, 40 Chungshan North Road, 3rd Section, Taipei 10451, Taiwan, ROC^cDepartment of Raw Materials, Yarn Formation, Taiwan Textile Research Institute, 6 Chengtian Road, Tucheng City, Taipei County 23674, Taiwan, ROC

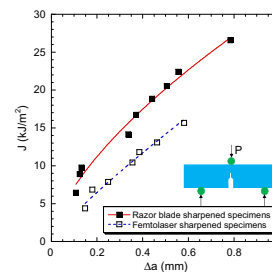
Determination of polymer morphology from the intensity measurement in the reciprocal space

Eur Polym J 46 (2010) 1891

Guohai Situ^a, Li-Tang Yan^{b,c}^aInstitut für Technische Optik, Universität Stuttgart, Pfaffenwaldring 9, D-70569 Stuttgart, Germany^bPhysikalische Chemie II, Universität Bayreuth, D-95440 Bayreuth, Germany^cChemical Engineering Department, University of Pittsburgh, Pittsburgh, PA 15261, USA

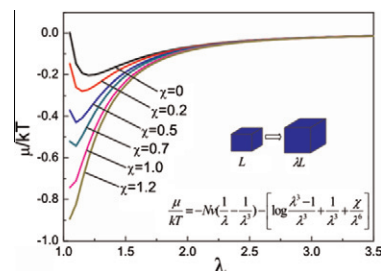
Relevance of the femtolaser notch sharpening to the fracture of ethylene-propylene block copolymers

Eur Polym J 46 (2010) 1896

A. Salazar^a, J. Rodríguez^a, A. Segovia^b, A.B. Martínez^b^aDepartamento de Ciencia e Ingeniería de Materiales, Escuela Superior de Ciencias Experimentales y Tecnología, Universidad Rey Juan Carlos, C/ Tulipán s/n, 28933 Móstoles, Madrid, Spain^bCentre Català del Plàstic - Universitat Politècnica de Catalunya, C/ Colom 144, 08222 Terrassa, Barcelona, Spain

Qualitative separation of the physical swelling effect on the recovery behavior of shape memory polymer

Eur Polym J 46 (2010) 1908

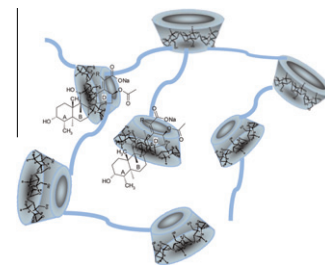
Haibao Lu^{a,b}, Yanju Liu^b, Jinsong Leng^a, Shanyi Du^a^aCentre for Composite Materials and Structures, Harbin Institute of Technology (HIT), Harbin 150080, China^bDepartment of Aerospace Science and Mechanics, Harbin Institute of Technology (HIT), Harbin 150001, China

Water-soluble γ -cyclodextrin polymers with high molecular weight, their complex forming properties

Véronique Wintgens, Catherine Amiel

Systèmes Polymères Complexes, ICMPE, 2-8 Rue Henry Dunant, 94320 Thiais, France

Eur Polym J 46 (2010) 1915



Non-covalent dendrimer-based liquid crystalline complexes: Synthesis, characterization

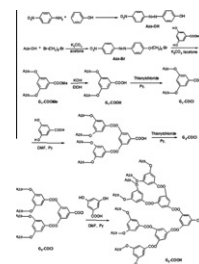
Khadijeh Didehban^a, Hassan Namazi^b, Ali Akbar Entezami^c

^aMetallurgy Group, Material School, NSTRI, Tehran, Iran

^bLaboratory of Carbohydrates, Biopolymers, Faculty of Chemistry, University of Tabriz, Tabriz P.O. Box 5166616471, Iran

^cLaboratory of Polymer, Faculty of Chemistry, University of Tabriz, Tabriz, Iran

Eur Polym J 46 (2010) 1923



Synthesis, MALDI-TOF-MS of PS-PMA, PMA-PS block copolymers

Aydin Can^{a,b,c}, Esra Altuntas^c, Richard Hoogenboom^{a,b}, Ulrich S. Schubert^{a,b,c}

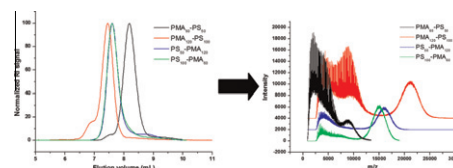
^aLaboratory of Macromolecular Chemistry and Nanoscience, Eindhoven University of Technology, Den Dolech 2, 5612 AZ Eindhoven, The Netherlands

^bDutch Polymer Institute (DPI), John F. Kennedylaan 2, 5612 AB Eindhoven, The Netherlands

^cLaboratory of Organic and Macromolecular Chemistry, Friedrich-Schiller-University Jena, Humboldtstrasse 10, 07743 Jena, Germany

Synthesis, MALDI-TOF-MS characterization of PS-PMA, PMA-PS block copolymers.

Eur Polym J 46 (2010) 1932



Synthesis, characterization of alternative donor-acceptor arranged poly(arylene ethynylene)s derived from 1,4-diketo-3,6-diphenylpyrrolo[3,4-c]pyrrole (DPP)

Akshaya K. Palai^a, Sarada P. Mishra^a, Amit Kumar^b, Ritu Srivastava^b, Modeeparampil N. Kamalasanan^b, Manoranjan patri^a

^aNaval Materials Research Laboratory, Shill-Badlapur Road, Ambernath 421506, India

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Eur Polym J 46 (2010) 1940

