



32nd, International Conference of the **POLYMER PROCESSING SOCIETY**

PPS³²

July 25-29, 2016 LYON FRANCE



Poster Program



<http://pps-32.sciencesconf.org/>

Poster Session Program

Tuesday, July 26, 6:30-8:00 pm

Venue: Exhibit and poster Hall - Forum 2

S01-479	Investigation of the influence of talc fillers on the infrared heating of polypropylene for thermoforming. Längauer, Manuel; Zitzenbacher, Gernot; Palmetshofer, Matthias; Wagenknecht, Tanja
S01-794	Modelling of an innovative liquid rotational molding process. Agbessi, Yao*; Béreaux , Yves; Charmeau, Jean-yves
S02-126	The Morphology and Control Release Behavior of Thermosensitive Poly(N-Isopropylacrylamide-Methylacrylic acid)/Au Semi-hollow Composite Latex Particles. Lee, Chia-Fen*
S02-157	Synthesis and Properties of POSS modified PS Microbeads. Tuccar Kilic, Nilay*; Turgut, Gizem; Boyacioglu, Seyhan; Yogurtcu, Ozge; Yildirim, Aysun; Kodal, Mehmet; Ozkoc, Guralp*
S02-180	Electrical conductivity of Au-immobilized onto polysaccharides reduced graphite oxide sheets. Dhahri, Abdelwaheb*; Beyou, Emmanuel; Baouab, Mohammed Hassen V
S02-182	Organic Modification Of Mmt Clay With Polyaniline: Effect On Electrical And Morphological Properties. Pinto, Camila P.; Saade, Wesley A.; Pachekoski, Wagner M; Dalmolin, Carla*; Becker, Daniela
S02-168	Rheology and Physical Characterisation of Graphene Nanoplatelet/ Poly (butylene adipate-co-terephthalate) Nanocomposites Kashi, Sima ; Gupta, Rahul K ; Kao, Nhol ; Bhattacharya, Sati N.
S02-201	Thermal Conductivity of Hybrid Filled HDPE Nanocomposites Müller, Michael Thomas; Krause, Beate*; Kretzschmar, Bernd; Jahn, Ivonne; Pötschke, Petra
S02-203	Influence of Mixing Conditions on Carbon Nanotube Shortening and Curling in Polycarbonate Composites. Krause, Beate*; Carval, Jérôme; Pötschke, Petra
S02-204	PP/SWCNT Composites Modified With Ionic Liquid. Krause, Beate*; Predtechensky, Mikhael; Ilyin, Evgeny; Pötschke, Petra
S02-205	Relationship between Crystallization Kinetics and Interfacial Interactions in PLA/POSS Nanocomposites. Kodal, Mehmet*; Şirin, Hüseyra; Özkoç, Güralp
S02-206	Non-isothermal Crystallization Kinetics of Carbonaceous Nanofiller Reinforced Poly(butylene succinate) Nanocomposite Kodal, Mehmet; Filizgök, Selen; Kodal, Mehmet*; Özkoç, Güralp
S02-215	Observation of multi-shape memory and temperature memory effect via tuning distributed architecture of graphene oxide in poly(propylene carbonate). Qi, Xiaodong; Dong, Peng; Fu, Qiang*
S02-220	Investigation of the Correlation between Adhesion Strength and Thermodynamic Work of Adhesion. Şirin, Hüseyra; Kodal, Mehmet; Karaagac, Bagdagul; Özkoç, Güralp*
S02-225	Graphene, Nanographite By Ultrasound And Their Polypropylene Nanocomposite Solis, Antonio*; Perez, Ricardo; Ponce Aurora; Moreno, Leonardo; Manero, Octavi
S02-280	A new crystallization process in polypropylene filled with calcium carbonate Schawe, Jürgen*
S02-301	Preparation of poly(L-lactide)/multi-walled carbon nanotubes nanocomposites with tunable matrix crystallization rate and mechanical strength. Liu, Huili; Bai Hongwei*; Fu, Qiang
S02-32	Investigation of Polypyrrole/Molybdenum trioxide/Graphene nanoribbon nanocomposite with high electrochemical capacity performance for electrode material of supercapacitor. Hsu, Feng-Hao; Wu, Tzong-Ming*

S02-323	Rheological and crystallization behavior of glass fiber reinforced nylon composite Cha, Sang Hoon; Kim, Jae Ik; Bae, Han Na; Sung, Dae Hyun; Ryu, Sung Hun*
S02-328	Effect of ball milling and phosphoric acid treatment on the properties of short Kevlar fiber reinforced polypropylene. Fu, Sirui; Zhang, Jun; Yu, Bowen; Chen, Feng; Fu, Qiang*
S02-329	Thermal History Effects on Moisture Absorption of Fiber-Reinforced Polymer Composites. Hamidi, Youssef K.; Aktas, Levent; Altan, M. Cengiz*
S02-337	A rapid and scalable filler-treatment method to enhance thermal conductivity of polyvinylidene fluoride/expanded graphite composite. Deng, Sha; Fu, Qiang*
S02-348	A ultrathin flexible, high electrical conductivity of graphene/cellulose nanofiber film for efficient electromagnetic interference shielding. Yang, Weixing; Wu, Kai; Chen, Feng; Fu, Qiang*
S02-35	Crystallization kinetics of poly (1, 4-butylene adipate)/organically-modified layered zinc phenylphosphonate nanocomposites. Chen, Yi-An*; Wu, Tzong-Ming
S06-36	Electrocatalytic behavior of chitosan/polyaniline nanocomposite prepared via different acidic aqueous solutions for biosensing. Li, Ching-Feng; Wu, Tzong-Ming*
S02-37	Synthesis of graphene nanoribbon/reduced graphene oxide/polypyrrole nanocomposites as electrode for supercapacitor Wang, Ching-Yuan*; Wu Tzong-Ming
S02-379	Isothermal crystallization behavior and microstructure of poly(butylene succinate-co-adipate)/modified layered double hydroxides nanocomposites. Tsai, Gang-Shian; Chen, Yi-An; Chen, Erh-Chiang; Wu, Tzong-Ming*
S02-382	A rapid and scalable filler-treatment method to enhance thermal conductivity of polyvinylidene fluoride/expanded graphite composite Deng, Sha*
S02-383	Comparative study of new reactive and non-reactive strategies in compatibilizing immiscible polyester blends Xi, Shuting; Kong, Miqiu; Yang, Qi; Li, Guangxian; Huang, Yajiang*
S02-385	Excellent electromagnetic interference shielding via tri-continuous structure with MWCNTs selective dispersion. Yin, Bo*; Dou, Rui; Yang, Mingbo
S02-391	The Impact of Alkylated Graphene Oxide on the Crystallization Behavior of Poly (4 methyl-1-pentene) under Stretching at High Temperature. Xu, Liyang; Yin, Bo*; Yang, Mingbo; Feng, Jianming; Xie, Banghu
S02-396	Oxidation of carbon nanofiber and its effect on tensile properties of PA11 matrix composite reinforced with carbon nanofiber. Enomoto, Kazuki*; Takahashi, Yukiyasu
S02-397	Non-isothermal curing kinetics and physical properties of MMT-reinforced unsaturated polyester (UP) resins. Vargas, Maria Angeles*; Vazquez, Humberto
S02-399	Preparation of functionalized h-BN encapsulated by graphene oxide Wu, Kai; Liu, Xiaohui; Chen, Feng*; Fu, Qiang
S02-40	Preparation and Characterization of Polyethylene Nanocomposites with Clay and Silver Nanoparticles. Oliani, Washington Luiz*; Ferreto, Helio Fernando Rodrigues; Komatsu, Luiz Gustavo Hiroki; Lugao, Ademar Benevolo; Rangari, Vijaya Kumar; Lincopan, Nilton; Parra, Duclerc Fernandes
S02-476	Effect of additives on MWCNT dispersion and electrical percolation in polyamide 12 composites. Socher, Robert; Pötschke, Petra*; Krause Beate
S02-487	A Study on the Effects of Aspect Ratio and Bulk Density on the Electrical Properties of Polycarbonate/MWCNT nanocomposite. Cruz, Heidy; Son, Younggon*
S02-491	Preparation and properties of graphene oxide-regenerated cellulose/polyvinyl alcohol hydrogel with pH-sensitive behavior. Ren, Penggang*; Ren, Fang; Xie, RuiHong

S02-497	Effect of Processing Sequence on the Mechanical and Tribological Properties of Ternary Nanocomposites (VGCF-X/PA6/HDPE). Osada, Yu; Nishitani, Yosuke*; Kitano, Takeshi
S02-501	Characterization of organically modified layered zinc phenylphosphonate/Poly(butylene succinate/adipate) nanocomposites. Kuo, Dong-Lin*; Wu, Tzong-Ming
S02-537	Innovative fillers for polymers: Functional talc-like organic-inorganic hybrids prepared by sol-gel route. Garnier, Audrey*; Brendle, Jocelyne; Bounor-legare, Veronique; Michelin, Laure; Rigolet, Severinne; Melis, Flavien
S02-583	Comparison analysis of dielectric properties of LLDPE based compounds filled by halloysite nanotubes and montmorillonite. Kadlec, Petr*; Polansky, Radek
S02-599	Influence of Graphene Nanoplatelets on the Properties of Plasticized Poly (lactic acid) Nanocomposites. Silva, Josiane Aparecida da; Pachekoski, Wagner Mauricio; Becker, Daniela*
S02-615	Characterization of Nanocomposites for Hydrogen Storage. Oliveira, Amanda Dantas*; Beatrice, César Augusto; Passador, Fabio Roberto; Pessan, Luiz Antonio
S02-643	Permeability in Fractal Aggregates: Application to Unstable Colloidal Gels. Mertz, Alex; Graham, Alan L.*; Gelb, Lev; Ingber, Marc S.; Redondo, Antonio
S02-645	Polymer Nanocomposites for Hydrogen Storage. Beatrice, Cesar A G; Oliveira, Amanda D; Passador, Fabio R; Pessan, Luiz A*
S02-648	Influence of matrix crystallinity on electrical percolation of multiwalled carbon nanotubes in polypropylene. Pötschke, Petra*; Gültner, Marén; Häußler, Liane
S02-661	Electrochemical Studies on ceramic fillers X (X= Al ₂ O ₃ , TiO ₂ , SiO ₂) dispersed LiPF ₆ based EC/DEC plasticized PVC/PVdF-co-HFP separator by Phase Inversion Technique. Palanisamy, Vickraman*
S02-662	Preparation and characterization of a conductive and adhesive rubber ink for flexible electrodes. Kim, Minjung; Lee, Jong-Hwan; Park, Changsin; Park, Sangwoo; Nah, Changwoon*
S02-664	Largely improved toughness of immiscible blend achieved by adding chemically modified graphene oxide. Huang, Wen-bin; Zhang, Ting-ting; Mao, Han-jun; Zhang, Nan; Huang, Ting; Yang, Jing-hui*; Wang, Yong
S02-671	Interfacial adhesion between rubber sheets under different crosslinking level. Jang, JunYeol; Lee, SangHwan; Kang, SeokIn; Jeong, Byeong-Heon; Hong, BoKi; Nah, Changwoon*
S02-706	Solid polymer electrolyte: Thermal characteristics, ion conductivity of epoxy oligomer and lithium perchlorate SALT . Boiteux, Gisèle*; L. K. Matkovska, M. V. Iurzhenko, Ye. P. Mamunya1, O. K Matkovska, A. Serghei
S02-710	Influence of a supplemental filler in twin-screw extruded PP/CNT composites using masterbatch dilution. Müller, Michael Thomas*; Krause, Beate; Kretzschmar, Bernd; Pötschke, Petra
S02-74	Influence Of Plasticizer And Dispersion Methods On The Properties Of Poly(Vinyl Chloride) And Clay Nanocomposites. Becker, Daniela*; Bohn, Samara; Balzer, Palova Santos
S02-741	Polymer nanocomposite sealants for easy to open packaging: effect of surface chemistry of nanoclay. Mohammadi, Seyedeh Raziye; Tabatabaei, Seyed H.; Ajji, Abdellah*
S02-748	Electrical and dielectric properties of composite materials: the role of morphology, volume fraction, form factor, orientation, presence of interphases and gradients of local properties. Serghei, Anatoli*; Boiteux, Gisèle; Samet, Mariem; Kallel, Ali
S02-760	PH and concentration effect on the optical absorption properties of porphyrin nanorods functionalized graphene oxide. Bajjou, O.*; Mongwakets N.;

	Khenfouch M.; Baïtoul M. ; Mothudi B.; Dhlamini M.; Lekala M.; Maaza M.
S02-781	Poly styrene Nanocomposites: Characterization, Investigation of Mechanical Properties. L. MRAH* ; R. Meghabar; M. Belbachir
S02-786	Graphene prepared by thermal reduction-exfoliation of graphite oxide: Effect of raw graphite particle size on the properties of graphite oxide and graphene. Jeong, Eun Jea*; Dao, Trung Dung; Mo, Jeong Han
S02-795	Adsorption of lead (ii) in liquid-solid interfaces of natural hydroxiapatite. A batch study. Bouacherine, B.*; Iddou, A.; Benhammadi, S.; de Ménorval, L. C.
S02-8	Plasma Surface Modification Of Starch-based Nanofibers For Glucose Oxidase Immobilization. Ali akbarnia, Marjan; Ranaei Siadat, Seyed Omid*
S03-386	Shell-mimicking structure of polylactide fabricated through layer-assembly extrusion: toward high strength and toughness. Yi, Longfei; Shen, Jiabin; Guo, Shaoyun*
S03-398	Wasted Tire Ground Rubber/ Wood flour optimized ratio Toward the High Mechanical Properties in Polypropylene composite. Thongthanom, Ratiporn; Manuspiya, Hathaikarn*
S03-773	Electrification of polymers during capillary extrusion. Perolo, A.*; Castiglioni, A.; Ferri, D.
S04-149	Surface localization behavior in injection-molded plate of polycarbonate/poly(methyl methacrylate) blend. Sako, Takumi; Yamaguchi, Masayuki*
S04-170	Enhancement of impact strength of PA11 by dispersing PBS particles without reduction of flexural modulus. Moriyama, Tomokazu*; Sumiya, Nobuhiro; Saito, Tomotaka; Hao, Yan
S04-183	The Synthesis of Polyester Thermoplastic Polyurethane Elastomer and Effects on Toughening Modification of PVC. Li, Kanshe*; Zhou, Yuan; Niu, Honfmei; Yan, Lanying; Chen, Chuangqian; Kang, Jie
S04-216	Cross-linking and Structural Manipulating of Ultrahigh Molecular Weight Polyethylene with Simultaneously Improved Wear Resistance and Mechanical Performance. Huang, Yan-Fei; Xu, Jia-Zhuang; Xu, Ling*; Li, Zhong-Ming
S04-247	High performance millimeter wave absorbers derived from uneven distribution of conducting and magnetic engineered nanoparticles in biphasic polymeric blends Pawar, Shital Patangrao*
S04-298	Research on tribological behavior of PPS/PTFE/CF composites. Luo, Wei; Chen, Yang*; Zou, Huawei; Liang, Mei
S04-321	Combined effects of ultrafine full-vulcanized powdered rubber and β nucleating agent on mechanical properties and heat distortion temperature of isotactic polypropylene. Zhu, Yanling; Fu, Qiang*
S04-390	Assessment of preparation route-dependent compatibilization efficiency of triblock copolymer in immiscible polymer blends by morphology, rheology and fractionated crystallization behavior. Kong, Miqiu*; Huang, Yajiang; Zhao, Xueyan; Li, Guangxian
S04-624	The study of Rheology and Morphology of High Density Poly Ethylene (HDPE) / Ethylene Octane Copolymer (EOC) / Nano Silica / Nanocomposites. Javadi, Azizeh*; Karimi, Samira; Nazockdast, Hossein
S04-653	Accelerated Weathering Effect on the Polyvinyl Alcohol Cross-linked Wood-Plastic Composites. Suld, Tiaa-Maaja*
S04-663	Highly Electrically Conducting Poly (L-lactic acid)/Graphite Composites Prepared Via in Situ Expansion and Subsequent Reduction of Graphite. Xue, Bai; Zhang, Junhua*
S04-679	Effect of Organoclay on Poly(lactic acid)/Biodegradable Polymer Blends. Lee,

	Sumkun; Kim, Mingeun; Hyun, Kyu*
S15-766	The effect of PDLA on the crystallization and morphology of PLLA. Liau, Wen-Bin* ; Huang, Tun-Hao; Chang, Shuang-Yuan
S04-791	Reactive compatibilization of immiscible polymers blend using a natural compatibilizer. Rigoussen, Alan; Verge, Pierre; Dubois, Philippe; Raquez, Jean-Marie; Habibi, Youssef; Habibi, Youssef*
S05-132	Cell Nucleation and Growth Mechanisms in Foam Injection Molding. Shaayegan, Vahid; Park, Chul B.*
S05-199	Effects of Viscoelastic Properties on the Foam Morphology of Silicone Rubber Using Supercritical Carbon Dioxide. Liao, Xia* ; Xu, Hao; Bai, Jianwei; Yang, Qi; Li, Guangxian; Park, Chul B.
S05-210	Properties and structure analysis of polymer compositions obtained in cellular injection moulding process. Tor-Świątek, Aneta*
S05-393	Preparation of Halogen-free Flame Retardant Poly (vinyl alcohol) Foam through Thermal Processing. Liu, Pengju* ; Bai, Shibing; Wang, Qi
S05-442	Cyclic stress resistance of polyurethane from plastic jacket pipes. Leuteritz, Andreas* ; Below, Heiko
S05-513	Mathematical Modeling and Visual Observation of a Chemical Batch Foaming and Crosslinking of Polymer System. Shigeta, Tomohiro* ; Ohshima, Masahiro
S05-604	Effect of Foaming Conditions on PLA/Starch/Nano calcium carbonate nanocomposite foams structureJavadi Azizeh, Vaziri Nasab Elham, Garmabi Hamid
S05-654	Some Influence Factors on the Rigid PVC Foam Formation. Suld, Tiia-Maaja*
S05-692	Preparation, Structure and Property of Halogen-Free Flame Retardant Polyethylene Foam Material. Chen, Xingyou; Chen, Yinghong* ; Hua, Zhengkun
S05-784	The Study of Halogen Free Fire Retardant High Melt Strength Polypropylene: Preparation, Foaming Behaviors and Characteristics of the Foam. Xu, Yaohui; Guo, Peng; Zhang, Shijun; Lu, Mingfu*
S06-102	Influence of Initial Fiber Length on the Mechanical and Tribological Properties of Hemp Fiber Reinforced Plants-Derived Polyamide 1010 Biomass Composites. Nishitani, Yosuke* ; Mukaida, Jun; Yamanaka, Toshiyuki; Kajiyama, Tetsuto; Kitano, Takeshi
S06-129	Promoting changes in protein structure as means of tailoring properties of fish gelatin biocomposites. Etxabide, Alaitz; Uranga, Jone; Urdanpilleta, Marta; Guerrero, Pedro*
S06-143	Preparation of PLLA/PDLA Blends with High Stereocomplex Crystals Content through an Efficient Thermal Treatment Method. Zhang, Zheng-Chi; Zhong, Gan-Ji; Li, Zhong-Ming*
S06-150	Towards high-performance poly(L-lactide) products by tailoring crystallization with the aid of fibrous nucleating agent. Bai, Hongwei; Huang, Chunmei; Zhang, Huixian; Fan, Mingfeng; Fu, Qiang*
S06-154	PBAT/Thermoplastic Starch Blends: "Effects of Oxidized Starch and Compatibilizer Content". Can, Buse Nur; Ozkoc, Guralp*
S06-16	Improvement of mechanical properties due to increased fiber matrix adhesion in flax fiber reinforced polypropylene. Malfatti, Andrea* ; Steuernagel, Leif; Meiners, Dieter
S06-174	Preparation and characterization of polysaccharide hydrogels based on modified starch. Lee, Jungmin; Park, Jongshin*
S06-198	Effects of Shear Flow on Crystalline morphology of Polylactic Acid Li, Yang; Xu,

	Jia-Zhuang*; Li, Zhong-Ming
S06-208	The Effects of Gamma irradiation on the Mechanical and Thermal Properties of Poly(lactic acid). Kodal, Mehmet*; Elchekwis, Abdulkounem; Özkoç, Güralp
S06-255	Chemo-enzymatic synthesis and functionalization of a renewable lignin-derived bisphenol: promising biobased antiradical additive and phenolic monomers. Jaufurally, Abdus Samad; Teixeira, Andreia; Hollande, Louis; Ducrot, Paul-Henri; Allais Florent*
S06-266	ADMET polymerization of biobased monomers deriving from syringaresinol. Hollande, Louis; Jaufurally, Abdus Samad; Ducrot, Paul-Henri; Allais, Florent*
S06-286	Minimizing Polymer Degradation In A Spray Drying Process Of Aloe Vera (Barbadensis Miller) Mucilage (Biopolymer). Calderas, Fausto*; Medina-Torres, Luis; Nuñez-Ramirez, Diola Marina; Sanchez-Oliv, Ares Guadalupe; Santiago-Adame, Ruben; Manero Octavio
S06-299	Effect of Fiber type on the properties of biobased polymer composites. Hammiche, Dalila*; Boukerrou, Amar; Djidjelli, Hocine; Grohens, Yve
S06-303	Fabrication high-performance and optically transparent polylactide stereocomplex by low-temperature powder sintering. Bai, Dongyu; Bai, Hongwei*; Fu, Qiang
S06-343	Preparation Of Natural Rubber (Nr) /Polycaprolactone (Pcl) Bio-Based Shape Memory Polymer Blends. Lai, Sun-Mou*; Lai, Sun-Mou; Liu, Jung-Liang; Wang, Chun-Chieh; Liao, Wan-Lin; He, Yu-Ting; Huang, Yu-Wei; Yeh, Hi-Ju; Luo, De-Ting; Chang, Chih-Ning
S06-344	Assessment of structural changes and rheological behavior of potato and pea starches under extrusion conditions. Logie, Nicolas*; Della Valle, Guy; Descamps, Nicolas; Soulestin, Jérémie
S06-358	Effect of olive husk flower on the properties of biobased polymer composites. Boukerrou, Amar*; Hammiche, Dalila; Djidjelli, Hocine; Beridi, Maria José Fernandez
S06-378	Jute fiber- reinforced PEBD/PLA biocomposites: Evaluation of Thermo-Mechanical properties and Morphology. Boubekeur, Bahia*; Belhaneche-Bensemra, Naima; Massardier, Valérie
S06-400	Bio-based Thermoplastic Elastomer Containing Polylactide and Natural Rubber via Admicellar Polymerization. Tiewtragool, Phornkamol*; Magaraphan, Rathanawan
S06-409	Tailoring the oxygen gas barrier property in biodegradable poly(propylene carbonate) composites. Shen, Yucai*; Wang Tingwei
S06-439	Ultra-High-Modulus Porous Polymer/Hydroxyapatite Composite Scaffold for Significantly Enhancing Cranial Bone Regeneration. Li, Zhong-Ming*; Zhang, Jin; Ding, Jian-Xun; Liu, He; Zhuang, Xiu-Li; Chen, Xue-Si; Wang, Jin-Cheng
S06-458	Welding of Bio-Based Plastics for Applications in the Field of Injection Moulding Hopmann, Christian; Facklam, Martin; Schoengart, Maximilian*
S06-51	Thermal, Rheological and morphological Properties of PLA/EVA – ATBC Blends. Aouachria, Kamira; Massardier, Valerie*
S06-667	Comparative study of nanocomposite materials reinforced with different cellulose nanofibrils: Morphologies, physical and interfacial properties. Ben Hamou, Karima*; Kaddami, Hamid; Dufresne, Alain; Magnin, Albert
S06-686	Effect of sorbitol/glycerol ratio on hydrogen bond formation and crystallization of co-plasticized starch. Esmaeili, Mohsen; Bagheri, Reza; Pircheraghi, Gholamreza*
S06-687	Development of cellulose based polymer composite with enhanced through-the-thickness properties. Hajlane, Abdelghani*; Kaddami, Hamid; Joffe, Roberts

S06-712	A new process for the preparation of composites and nanocomposites of cellulose pulp and celluyllose nanofibers for rigid panels fabrication Carvalho, Antonio José Felix* ; Chiromito, Emanoelle Maria Santos; Trovatti, Eliane
S06-778	Design And Characterization Of Polyhydroxyalkanoates Nanoparticles Loaded With Silymarin For Drug Delivery Applications. Stanescu, Paul Octavian* ; Radu, Ionut; Zaharia, Catalin; Vasile, Eugenia; Galateanu, Bianca
S06-790	Compatibilizing co-Plasticized Cellulose Acetate/Water Soluble Polymers Blends by Reactive Extrusion. Quintana, Robert* ; Persenarie, Olivier; Lemmouchi, Yahia; Bonnaud, Leila; Dubois, Philippe
S07-56	Behaviour Of The Thermal Conductivity Of Amorphous Polymers. Santos, Wilson Nunes dos*
S07-64	Polymer Film Production And Rheological Characteristics Of Forming Solutions. Pyshnograi, Grigory* ; Naud, Jean-Charles; Kondratieva, Olga; Tregubova, Julia
S07-647	Unusual pVT-behavior of amorphous polymers under processing conditions and consequences for the process simulation. Forstner, Reinhard* ; Freytag, Rotraud; Jil Perez, Jose Antonio; Maticka, Claudia
S07-674	Temperature dependence of the hydrodynamic characteristics of the flow of the polymer melt in the converging channels. Kuznetsov Alexander, Koshelev Konstantin, Tolstykh Mikhail, Pyshnograi Grigory, Naud Jean-Charles*
S08-236	Application Of Self-Tuning Pi Controller To Resin Transfer Molding. Wang, Kai-Hong; Chuang, Yao-Chen; Yao, Yuan*
S08-462	Tensile Impact Testing on Polymer Materials Considering the Force-Oscillation Phenomenon. Hopmann, Christian; Klein, Jan; Schoengart, Maximilian*
S08-463	Spatially Resolved Temperature Measurement in Injection Moulding Using Ultrasound Tomography. Hopmann, Christian; Wipperfürth, Jens; Schoengart, Maximilian*
S08-87	Development of a novel and adaptable injection unit for an automated and quality controlled manufacturing of RTM parts for aerospace applications. Hopmann, Christian; Fecher, Marc Linus; Boettcher, Arne* ; Fischer, Kai
S08-717	Influence of crystallization behaviors on interfacial properties of carbon fiber/polypropylene composites Bastola Jeeban (1), Go Eun Park (2)*
S09-111	Effect of reactive extrusion conditions on the properties of PA6 organoclay nanocomposites. Tuna, Basak*
S09-190	Monitoring the polymerization of an acrylic-based formulation in a RTM process: application to thermoplastic-based composites. Fontanier, Jean-Charles* ; Lortie, Frédéric; Gérard, Jean-François
S09-318	The Study of Preparation and Heat Stabilization of Complexes of Calcium,Zinc,Lanthanum (III)With N-(2-amino ethyl) Maleamic Acid Radical on PVC. Li, Miao*
S09-658	A reactive extrusion process with the aid of ultrasound for preparing cross-linked polypropylene. Yang, Mingtao; Li, Jiang* ; Guo, Shaoyun
S09-785	Waterborne polyurethane modified with silicone macromer and the nylon airbag coated with it. Shin, Hyeon Jeong* ; Go, Cheol Wan; Jeong, Han Mo
S09-88	Production of CFRP components with clear surface layer in the PU spray impregnation process. Hopmann, Christian; Karatzias, Christos; Boettcher, Arne* ; Fischer, Kai
S10-17	Rheological Behavior Modelling for the Copolymer Hydrogenated Poly (isoprene-co-styrene) Solutions. Stanciu, Ioana Stanciu Ioana*
S10-354	A comparative study on structural recovery of nanoparticles after cessation of steady shear flow: the effect of nanoparticle flexibility. Ranjbar, Behnaz; Ghiassinejad, Sina; Nazockdast, Hossein*

S10-372	Using Torque Rheology to Characterise Cure of Bio-based Powder Coatings Dranebois, Clemence Noemie Elvire* ; Smith, Dawn Alison ; de Silva, Karnika ; Taylor, Mark
S10-411	Rheological Behaviors of Graphene/Nylon 6 Composites Wu, Chang-Mou* ; Lai, Wen-You ; Cheong, Sh-Shen ; Chang, Teng-Hsiang
S10-436	Rheological Investigation of the sol-gel transition of PIL's hydrogels Ratet, Olivier* Srour Hassan; Majesté, Jean-Charles ; Monnereau, Cyrille ; Carrot, Christian
S10-480	Crystallization of Polypropylene Materials Studied by Low-Field RheoNMR. Räntzsch, Volker* ; Özen, Mürütvet Begüm ; Ratzsch, Karl-Friedrich ; Guthausen, Gisela ; Wilhelm, Manfred
S10-561	Survey of the Effect of Graphene Nano-sheets on Morphology, Rheology and Electrical Conductivity in PS/PMMA Blends. Zaeferani, Erfan ; Goharpey, Fatemeh*
S10-570	Correlating Crystallization Kinetics and Rheological Properties of Polyethylene Using a Newly Developed Low-Field Rheo-NMR Combination. Özen, Mürütvet Begüm* ; Ratzsch, Karl-Friedrich ; Räntzsch, Volker ; Vittorias, Iakovos ; Wilhelm Manfred
S10-703	Rheological properties of blacked PE-100 compounds prepared using different carbon black masterbatches. Pircheraghi, Gholamreza* ; Sarafpoor, Amirhossein ; Hafezi, Mohammad Javad ; Rashedi, Reza ; Afzali, Seyed Kamal ; Sepahi, Abdul Hanan
S10-78	Combined Pulsating And Oscillating Flow Of A Non-Newtonian Biological Liquid. Herrera Valencia, Edtson Emilio* ; Calderas Garcia, Fausto ; Sanchez Villavicencio, Mayra Luz ; Perez Camacho, Mariano ; Medina Torres, Luis
S10-79	Generalized Darcy Equation of a Complex Fluid Using a Bautista-Manero-Puig Constitutive Equation. Herrera Valencia, Edtson Emilio* ; Calderas Garcia, Fausto ; Sanchez Villavicencio, Mayra Luz ; Perez Camacho, Mariano ; Medina Torres, Luis
S10-793	Using rheology to understand the structure-processing-property relationships of thermoplastic melts and composites. Fraisse, Frédéric* ; Rohn Chuck

Thursday, July 28 6:30-8:00 pm

Venue: Exhibit and poster Hall - Forum 2

S11-219	The Recent Developments in Tire Uniformity. Koca, Kayhan* ; Kodal, Mehmet Özkoç Güralp ; Gerengi, Hüsnü
S11-234	Flow instabilities of silica filled elastomer compounds. Honda, Shinichiro* ; Kawamura Takanobu ; Tada Toshio
S11-295	Synthesis and Characterization of Nanosilica from Rice Husk Ash as a filler of SBR Rubber. Alonso, Ximena ; Mantero, Carlos ; Mosca, Daniel ; Raimonda, Pablo*
S11-395	Control of the surface wrinkling structure on the surface of Polydimethylsiloxane microspheres via a simple low-cost and environmentally friendly route. Zheng, Shaodi ; Xie, Banghu* ; Liu, Zhengying ; Yang, Mingbo
S11-405	Influence of Rubber Latex as an Impact Modifier in Wood Composites. Siripornamart, Natchaya*
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