

PPS-31_Poster Presentation List – Day 1 / June 9 (Tuesday)

Presentation No. (Poster Board no.)	Reference No.	G1. Rheology and Rheometry
POG1-01	S01-166	Effects of Homopolymers and Semi-interpenetrating Net-work (sIPN) on the Micellization and Gelation of Pluronic F127 Aqueous Solutions <i>Xiaolei Li¹, Osita Sunday Nnyigide¹, Listiana Oktavia², Minseok Kwak², Kyu Hyun^{1*} (Pusan National University, Pukyong National University, Korea)</i>
POG1-02	S01-177	Intrinsic Nonlinearity Q_0 from FT-Rheology under Large Amplitude Oscillatory Shear (LAOS) Flow for Polymer Solutions <i>Hyeong Yong Song, Kyu Hyun* (Pusan National University, Korea)</i>
POG1-03	S01-222	The Rheological Characterization of the Solutions of Poly(2-cyano-p-phenylene terephthalamide) in N,N-dimethylacetamide/lithium Chloride <i>Dae Eon Jung¹, Chaejin Kim¹, Han Beol Jang¹, Dabin Chung¹, Youngho Eom¹, Eun Jeoung Lee¹, Kyeong-Hwan Rho², Dong Wook Chae³, Byoung Chul Kim^{1*} (Hanyang University, Kolon Industries, Inc., Kyungpook National University, Korea)</i>
POG1-04	S01-282	The Role of Boric Acid on Solution Stability of Ethylene and Carbon Monoxide Copolymer in Aqueous Solutions of Metal Salts Composite <i>Han Beol Jang¹, Dabin Chung¹, Chaejin Kim¹, Daeon Jung¹, Youngho Eom¹, Eun Jeoung Lee¹, Won Lee², Dongwook Chae³, Byoung Chul Kim^{1*} (Hanyang University, Hyosung Corporation R&D Center, Kyungpook National University, Korea)</i>
POG1-05	S01-299	The Physical Properties of Poly(2-cyano-p-phenylene terephthalamide) Solutions with Different Metal Salt Content in Polar Organic Solvents <i>Chaejin Kim¹, Dae Eon Jung¹, Han Beol Jang¹, Youngho Eom¹, Eun Jeoung Lee¹, Dong Wook Chae², Kyeong-Hwan Rho³, Byoung Chul Kim^{1*} (Hanyang University, Kyungpook National University, Kolon Industries, Inc., Korea)</i>
POG1-06	S01-510	Rheological Correlations of Relaxation Time for Biological Polyelectrolyte Solutions with Finite Concentration <i>Chang Jae Shim, Myung-Suk Chun*, Jae Hun Kim, Young Min Jhon (Korea Institute of Science and Technology, Korea)</i>
POG1-07	S01-532	Shear and Elongational Behaviors of Modified PC with Chain Extender <i>Masataka Sugimoto*, Toshiyuki Isogai, Sathish Sukumaran K, Kiyohito Koyama (Yamagata University, Japan)</i>
POG1-08	S18-249	Curing Behavior of Polyurethane for Determining the Processing Conditions <i>Jae Woo Park¹, Woo Chul Jeong¹, Sang Keun Han², Jeong Seob Shim², Keun Deuk Lee³, Sangmook Lee⁴, Jae Wook Lee^{1*} (Sogang University, Hanwha Corporation, Agency for Defense Development, Dankook University, Korea)</i>
POG1-09	S18-271	Rheological Properties Comparison between Polymer bonded Explosives(PBX) and its Simulant <i>Naeun Lee¹, Youngdae Kim¹, Jaehan Song¹, Sangkeun Han², Jeongseob Shim², Keundeuk Lee³, Sangmook Lee⁴, Jaewook Lee^{1*} (Sogang University, Hanwha Corporation, Agency for Defense Development, Dankook University, Korea)</i>
POG1-10	S01-665	Rheology and Morphology of Polyethylene/CaCO₃ Composites Based on Metallocene and Broad Molecular Weight Distribution Linear Low Density Polyethylene <i>Liqiu Chu, Jianye Liu, Shijun Zhang* (Beijing Research Institute of Chemical Industry, SINOPEC, China)</i>
POG1-11	S01-704	Non-equilibrium Dissipative Particle Dynamics Simulations of Polymers: The Role of the Friction Coefficient on the Time Scalability <i>Sacha T. Mould, José A. Covas, João M. Nóbrega (University of Minho, Campus de Azurém, Portugal)</i>
Presentation No. (Poster Board no.)	Reference No.	G2. Extrusion
POG2-01	S02-38	Coextruded PA-PP Pipes: Measurements of the Morphology Modification due to Flame Treatment <i>Jürgen E.K. Schawe^{1*}, Andreas Köhler² (Mettler-Toledo AG, Switzerland, ContiTech MGW GmbH, Germany)</i>
POG2-02	S02-188	Effects of Slip on Die Swelling in Tire Tread Extrusion Processes <i>Jun Ho Mun¹, See Jo Kim^{1*}, Sang Ho Mun¹, In Young Kim², Su Joung Kim², Min Hyeon Han² (Andong National University, NEXEN TIRE Co., Korea)</i>
POG2-03	S02-190	General Approaches for Three-Dimensional Screw and Die Characteristics of Rubber Extrusion Process using Computational Database <i>Jun Ho Mun¹, See Jo Kim¹, Sang Ho Mun¹, In Young Kim², Su Joung Kim², Min Hyeon Han² (Andong National University, NEXEN TIRE Co., Korea)</i>
POG2-04	S02-244	Preparation of Starch based Graft Copolymers using Carboxylic Acrylate by Reactive Extrusion Processing <i>Si-hoon Jang, Dong Hyun Kim, No-hyung Park* (Korea Institute of Industrial Technology, Korea)</i>
POG2-05	S02-383	A Kinetics Analysis of the Continuous Decrosslinking Process of Silane Crosslinked Polyethylene under Supercritical Methanol Condition <i>Bum Ki Baek^{1,2}, Won Jun Na¹, Yun Ho La¹, Chong Min Koo¹, Haksoo Han², Soon Man Hong^{1*} (Korea Institute of Science and Technology, Yonsei University, Korea)</i>
POG2-06	S02-398	Carbon-based Hybrid Photodetectors Functionalized with a Ruthenium Complex <i>Eun Kwang Lee^{1,2}, Xien Liu², Dong Yeong Kim^{1,2}, Cheol Hee Park¹, Joon Hak Oh^{1*} (Pohang University of Science and Technology (POSTECH), Ulsan National Institute of Science and Technology (UNIST), Korea)</i>
POG2-07	S02-431	Novel Polypropylene Pipe with Simultaneously Enhanced Hoop Tensile Strength and Toughness: based on an Understanding of Coupled Effect of Self-assembly β Nucleating Agent and Rotation Extrusion <i>Rui Han*, Min Nie, Qi Wang (Sichuan University, China)</i>
POG2-08	S02-433	Multiple Patterned Electrodes for highly efficient Surface Plasmon Resonance <i>Yoon Ho Lee¹, Tae Kyung Lee², Hojeong Yu^{1,2}, Sang Kyu Kwak^{2*}, Joon Hak Oh^{1*} (Pohang University of Science and Technology (POSTECH), Ulsan National Institute of Science and Technology (UNIST), Korea)</i>
POG2-09	S02-469	Variations of the Flow Shear Stress in the Co-extrusion of Polymer Multilayer Film <i>Guo-Chiuan Tzeng, Ren-Haw Chen* (National Chiao Tung University, Taiwan)</i>
POG2-10	S02-518	High-Performance Organic Nano-Floating Gate Memory Devices Prepared using Cobalt Ferrite Nanoparticles <i>Ji Hyung Jung¹, Sung Hwan Kim², Hyeonjung Kim², Jongnam Park², Joon Hak Oh^{1*} (Pohang University of Science and Technology (POSTECH), Ulsan National Institute of Science and Technology (UNIST), Korea)</i>
POG2-11	S02-604	Research & Development of Polymer Particle Fabrication

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		<i>Junbeom Shin, Dongho Park, Kyoungmin Kang, Minkyung Kim, Chang-Young Park and Sungyong Kang* (LG Hausys R&D Center, Korea)</i>
Presentation No. (Poster Board no.)	Reference No.	G3. Injection Molding
POG3-01	S03-234	Physical Properties of Injection Molded Blends of Virgin and Recycled Polypropylene <i>Aya Tominaga¹, Hiroshi Sekiguchi¹, Ryoko Nakano,¹ Shigeru Yao¹, Eiichi Takatori² (¹Fukuoka University, ²TOSOH A&R Center Co. Ltd., Japan)</i>
POG3-02	S03-261	The Melt Temperature Variation Measurement in the Barrel of Injection Molding Machine <i>Joohyeong Jeon, Joonsung Tae, Jinsu Gim, Byungohk Rhee* (Ajou University, Korea)</i>
POG3-03	S03-403	Filling Behavior of Polymer Melt in Micro Injection Molding for V-Grooves Pattern <i>Jihoon Lee, Seungmo Kim* (Korea University of Technology and Education (KOREATECH), Korea)</i>
POG3-04	S03-529	A Colorimetric Study on the Light Guide Plate by the Various Injection Molding Conditions <i>Inki Min¹, Sungjun Lee¹, Jongsun Kim², Sunghee Lee², Kyunghwan Yoon^{1*} (¹Dankook University, ²Korea Institute Industrial Technology (KITECH), Korea)</i>
POG3-05	S03-583	The Effect of Injection Speed on Filling Pattern in Injection Molding Simulation of Thin LGP <i>Jongsun Kim^{1*}, Jinhyeok Jang², Jongdeok Kim¹, Sunghee Lee¹, Kyunghwan Yoon² (¹Korea Institute Industrial Technology, ²Dan Kook University, Korea)</i>
POG3-06	S03-694	Unique Phase and Crystal Morphology Distribution Caused by High-Pressure Water Penetration in Water-Assisted Injection Molded Polypropylene/Polymeric β-Nucleating Agent Blend Parts <i>Bin Wang, Han-Xiong Huang*, Zhi-Yong Wang (South China University of Technology, China)</i>
Presentation No. (Poster Board no.)	Reference No.	G4. Polymer Blends and Alloys
POG4-01	S04-17	Morphology and Properties of PBT/SEBS and PBT/SEBS-G-MAH Blends <i>Xiang Lu, Jinping Qu* (South China University of Technology, China)</i>
POG4-02	S04-33	Contradictory Transfer Phenomenon of Carbon Nanotubes in Immiscible Polymers <i>Rujirek Wiwattananukul, Shogo Nobukawa, Masayuki Yamaguchi* (Japan Advanced Institute of Science and Technology, Japan)</i>
POG4-03	S04-113	Insights into the Structure-property Relationship of PLA/OBC Blend: Effects of Compatibility and Thermodynamically Stable Morphology <i>Ke Wang, Meng Wu, Qiang Fu, Qin Zhang* (Sichuan University, China)</i>
POG4-04	S04-116	Transfer Phenomenon of Tackifier between Immiscible Rubber Pair <i>Nawaphorn Kuhakongkiat, Shogo Nobukawa, Masayuki Yamaguchi* (Japan Advanced Institute of Science and Technology, Japan)</i>
POG4-05	S04-117	Surface Modification of Polycarbonate by Addition of Poly(methyl methacrylate) <i>Takumi Sako*, Shogo Nobukawa, Masayuki Yamaguchi (Japan Institute of Science of Technology, Japan)</i>
POG4-06	S04-127	Crystallization Behavior and Thermal Stability of Poly(butylene succinate)/Poly(propylene carbonate) Blends Prepared by Novel Vane Extruder <i>Rongyuan Chen, Wei Zou, Haichen Zhang, Guizhen Zhang, Jinping Qu* (South China University of Technology, China)</i>
POG4-07	S04-129	Preparation, Melting Behavior and Thermal Stability of Poly (lactic acid) /Poly (Propylene Carbonate) Blends Processed by Vane Extruder <i>Wei Zou, Rongyuan Chen, Haichen Zhang, Jinping Qu* (South China University of Technology, China)</i>
POG4-08	S04-173	Development of Improved Optical Performance PC <i>Jin Ho Kim*, Byoung Ok Jang, Young Kwan Park, Byung Hoon Lim (Lotte Chemical Research Institute, Korea)</i>
POG4-09	S04-214	Rheological Properties of PP/CaCO₃ Micron-nano Composite Blends Processing based on Elongation Rheology via Vane Extruder <i>Benhao Kang, Rongyuan Chen, Guizhen Zhang, Zhitao Yang, Jinping Qu* (South China University of Technology, China)</i>
POG4-10	S04-236	Compatibilizing Immiscible Polymer Blends with Hybrid Nanoparticles: Higher Efficiency due to Synergism <i>Yajiang Huang*, Guangling Chen, Peng Li, Miqiu Kong, Guangxian Li (Sichuan University, China)</i>
POG4-11	S04-240	Shape Memory Blends Based on LDPE/EVA <i>Mehmet Kodal*, Rümeyza Erbay, Merve Sezer and Güralp Özkoç (Kocaeli University, Turkey)</i>
POG4-12	S04-296	Effect of Antioxidants on The Aging of Low Density Polyethylen Films <i>Alothman Othman Y^{1*}, Alnaiea Mohammad I² (¹The Saudi Electronic University, ²King Saud University, Saudi Arabia)</i>
POG4-13	S04-416	Cure Behaviors and Chemorheological Properties of Silica-filled Epoxy Composite <i>Eun-A Cho, Ye-Ji Han, Soo-Jin Park* (Inha University, Korea)</i>
POG4-14	S04-450	The Importance of the Processing in the Final Properties of the Revulcanized Blends GTR Devulcanized by Microwaves/HDPE <i>Fabiula Danielli Bastos de Sousa^{1,2*}, Carlos Henrique Scuracchio¹, Guo-Hua Hu², Sandrine Hoppe² (¹Universidade Federal do ABC, Brazil, ²CNRS, Laboratoire Réactions et Génie des Procédés, France)</i>
POG4-15	S04-494	Thermal and Mechanical Properties of Epoxy Resin Reinforced with Polyketone <i>Da-Hee Jeon, Soo-Jin Park* (Inha university, Korea)</i>
Presentation No. (Poster Board no.)	Reference No.	G5. Mixing and Compounding
POG5-01	S05-24	The Effect of PEG as Sintering Aid for Rotational Molding of LLDPE <i>Falk Rohnstock*, Manfred H. Wagner (Berlin Institute of Technology (TU Berlin), Germany)</i>
POG5-02	S05-486	The Effects of Disulfide and Peroxide on Properties of TPV Prepared by a Modular Intermeshing Co-rotating Twin Screw Extruder <i>Seonggil Kim¹, Donghak Kim¹, Minji Lee¹, Myung-hoon Oh¹, Bongseok Kim², Daesuk Bang^{1*} (¹Kumoh National Institute of Technology, ²Thinker Route Co., LTD, Korea)</i>
POG5-03	S05-502	Comparison Analysis on the Properties of the Phosphor Film according to the Various Composition Ratio of Phosphor Slurry <i>Jeong Yeon Park¹, Jeong Won Lee¹, Young Moo Heo¹, Si Tae Won², Gil Sang Yoon^{1*} (¹Korea Institute of Industrial Technology (KITECH), ²Seoul National University of Science & Technology, Korea)</i>
Presentation No. (Poster Board no.)	Reference No.	G6. Morphology and Structural Development

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POG6-01	S06-150	Molding Condition Dependence of Mechanical Properties of Waste of Packaging plastic <i>Nozomi Takenaka¹, Naoto Oda¹, Aya Tominaga¹, Hiroshi Sekiguchi¹, Ryoko Nakano¹, Shigeru Yao^{1*}, Eiichi Takatori² (¹Fukuoka University, ²TOSOH A&R Center Co. Ltd, Japan)</i>
POG6-02	S06-151	Understanding of the Formation of a Continuous Sheath Structure for PS Phase in Tri-continuous PVDF/PS/HDPE Blends <i>Rui Dou, Bo Yin*, Mingbo Yang* (Sichuan University, China)</i>
POG6-03	S06-253	Morphology Map of Nanoparticle-filled PP/PS Blends under Slow Shear Flow: Competitive Role of the Nanoparticle to the Dispersed Phase Weight Ratio <i>Miqiu Kong*, Guanglian Chen, Yajiang Huang, Guangxian Li (Sichuan University, China)</i>
POG6-04	S06-258	Transcrystallization of β-crystal in Multilayered β-nucleated Polypropylene and Polypropylene Composites <i>Shuo Yang, Jiang Li* (Sichuan University, China)</i>
POG6-05	S06-264	Photo-Induced Order-Order Phase Transition of Miktoarm Block Copolymer Containing UV Cleavable Linker <i>Chungryong Choi, Jicheol Park, Jongheon Kwak, K.L. Vincent Joseph, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG6-06	S06-267	Complementary Multiple Hydrogen Bonds Mediate the Phase Behavior of Block Copolymer blends having Nucleobase-Functionalized Block <i>Eunseol Kim, K. L. Vincent Joseph, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG6-07	S06-284	The Effect of the Morphology on the Anisotropic Light Scattering of PC/SAN Blend <i>Ying Xiong, Xianming Dong, Shaoyun Guo* (Polymer Research Institute of Sichuan University, China)</i>
POG6-08	S06-290	Understanding the Effect on the Morphology of Halloysite as a Second Filler in PP/Graphene Nanocomposites <i>Douglas Alexandre Simon^{1,2*}, Eveline Bischoff², Tales Daitx², Luana Benetti², Raquel Santos Mauler² (¹Federal Institute of Rio Grande do Sul, ²Federal University of Rio Grande do Sul, Brazil)</i>
POG6-09	S06-292	Morphology Study of Block Copolymer Confined in AAO Template Treated by Tilt Metal Deposition <i>Moo Seong Kim, Gum Hye Jeon, Seung Hyun, Kyu Seong Lee, Jong Heon Kwak, Du Sik Bae, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG6-10	S06-295	Morphology Variations of Polymer Composites during Multistage Stretching Extrusion and the Effect on the Drug Release Behavior <i>Rong Chen, Xia Chen, Cong Zhang, Shaoyun Guo* (Sichuan University, China)</i>
POG6-11	S06-345	Rheological Properties and Morphology of PVA/CuNW Suspension with or without Silica under the LAOS Flow <i>Seung Hak Lee, Kyu Hyun* (Pusan National University, Korea)</i>
POG6-12	S06-440	Formation of Highly Asymmetric Lamellar Microdomains in Binary Blend of Asymmetric Block Copolymers Having Hydrogen Bonding <i>Jongheon Kwak¹, Sung Hyun Han¹, Hong Chul Moon¹, Jin Kon Kim^{1*}, Jaseung Koo², Jeong-Soo Lee², Victor Pryamitsyn³, Venkat Ganesan³ (¹Pohang University of Science and Technology (POSTECH), Korea, ²Korea Atomic Energy Research Institute (KAERI), Korea, ³University of Texas, USA)</i>
POG6-13	S06-466	Synthesis and Characterization of A₂B-Type Miktoarm Star Copolymer Composed of Poly(3-dodecylthiophene) and Poly(methyl methacrylate) <i>Jicheol Park, Hong Chul Moon, Chungryong Choi, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG6-14	S06-606	Effects of Structural Regularity of Thiophene-based Copolymers on Molecular Ordering and Charge Transport <i>Sung Yun Son, Taiho Park* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG6-15	S06-664	Uniaxial Stretching Behavior of Polylactide with Different Initial Crystalline Morphologies <i>Jianye Liu, Shijun Zhang*, Liying Zhang, Liqiu Chu, Lizhi Liu, Yiqing Bai (SINOPEC Beijing Research Institute of Chemical Industry, China)</i>
Presentation No. (Poster Board no.)	Reference No.	G7. Films and Fibers
POG7-01	S07-39	Solid State Rheology of Polymer Films and Layers: Influence of the Thickness on Mechanical Properties of a PU-Adhesive between Metallic Substrate <i>Juergen E.K. Schawe^{1*}, Wulff Possart², Ludovic Krogh² (¹Mettler-Toledo AG, Switzerland, ²Universität des Saarlandes, Germany)</i>
POG7-02	S07-100	Melt Electrospun Coaxial Microfiber Processing and Properties <i>Patrick C. Lee^{1*}, Jason Keonhag Lee², Junghyuk Ko², Martin Byung-Guk Jun², Simon S. Park³ (¹University of Vermont, USA, ²University of Victoria, ³University of Calgary, Canada)</i>
POG7-03	S07-161	Poly(vinyl alcohol) Films with High Performances Prepared through Thermal Processing <i>Ning Wang, Li Li* (Sichuan University, China)</i>
POG7-04	S07-167	Effect of Physical aging on the Bending Recovery of Polymeric Films <i>Hyorin Kim¹, Moo Sung Lee^{1*}, Sungmin Kim¹, In Seo Kee¹, Soyoun Jung² (¹Chonnam National University, ²Samsung Display, Korea)</i>
POG7-05	S07-217	The Optimization of Preparation Conditions for Acrylic Opically Clear Resin <i>TaeYee Kim, Dong-Bok Kim, Song-Hye Hwang, HakSeon Kim and Ho-Jong Kang* (Dankook University, Korea)</i>
POG7-06	S07-310	Effect of Nozzle Hole Diameter on Fiber Structural Development in High-Speed Melt Spinning of High-Molecular Weight Poly(Ethylene Terephthalate) <i>Do-Kun Kim¹, Joo-Hyung Lee¹, Ki-Sub Lim¹, Han-Yung Jeon², Wan-Gyu Hahm^{1*} (¹Korea Institute of Industrial Technology (KITECH), ²Inha University, Korea)</i>
POG7-07	S07-447	A Comparison of PET/Clay and PET/POSS Nanocomposite Fibers <i>Humeyra Sirin¹, Dilek Turan², Sezen Gurdag³, Guralp Ozkoc^{1*} (¹Kocaeli University, ²Pultron Thermoplastic Coatings, ³Kordsa Global, Turkey)</i>
POG7-08	S07-471	Facile Method of Fabricating of E-beam Irradiated MnOx/CNFs for Supercapacitors <i>Seon Young Jeong, Minjae Kim, Kyung Min Lee and Sang Eun Shim* (Inha University, Korea)</i>
POG7-09	S07-472	Enhanced Thermal Properties of PDMS/silanized Graphite Hybrid Composite <i>Kim Minjae, Kyung Min Lee, Jeong Seon Young, Shim Sang Eun* (Inha university, Korea)</i>

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POG7-10	S07-475	Preparation of High-Performance Supercapacitors Based on Core-Shell Nylon 6,6/Polyaniline Nanofibers <i>Kyung Min Lee, Minjae Kim, Seon Young Jeong, Sang Eun Shim* (Inha University, Korea)</i>
POG7-11	S07-515	Development of High Conductive Fiber Fabricated by Melt Spinning Process <i>Tae Hwan Lim¹, So Hee Lee², Sang Young Yeo^{1*} (¹Korea Institute of Industrial Technology, ²Sookmyung Women`s University, Korea)</i>
POG7-12	S07-525	Hybrid of Graphene Fiber and Ag Nanoparticles and its Application <i>Sang Su Yoon, Kang Eun Lee, Dong Gi Seong, Wonoh Lee, Moon-Kwang Um, Joon Hyung Byun, Jea Uk Lee* (Korea Institute of Materials Science (KIMS), Korea)</i>
POG7-13	S07-592	Study of Melt Rheology of Ethylene Vinyl Alcohol Copolymers <i>Syang-Peng Rwei, Zhi-Feng Jue^{1,2*} (¹National Taipei University of Technology, ²Industrial Technology Research Institute, Taiwan)</i>
POG7-15	S07-693	Matrigel Immobilization on the Shish-kebab Structured Poly(ϵ-caprolactone) Nanofibers for Skin Tissue Engineering <i>Xin Jing^{1,2}, Hao-Yang Mi^{1,2}, Xiang-Fang Peng^{1*}, Lih-Sheng Turng^{2*} (¹South China University of Technology, China, ²University of Wisconsin-Madison, USA)</i>
Presentation No. (Poster Board no.)	Reference No.	G8. Polymer Nanostructures & Nanocomposites
POG8-01	S08-128	Preparation and Characterization of HDPE/MMT Nanocomposites by Melting Blending under Elongational Flow <i>Zhaoxia Huang, Cong Meng, Guizhen Zhang, Jinping Qu* (South China University of Technology, China)</i>
POG8-02	S08-136	The Effect of Electric Field on the Alignment of Multi Walled Carbon Nanotube in Melt Mixed Polypropylene Nanocomposites <i>Oh Min Kwon, Kyung Hyun Ahn*, Seung Jong Lee (Seoul National University, Korea)</i>
POG8-03	S08-137	Large Scale Formation of Hybrid Shish-kebab Structures in Polyethylene/Carbon Nano-fiber Blends Subjected to Secondary Melt Flow <i>Xiao-chao Xia, Ming-bo Yang* (Sichuan University, China)</i>
POG8-04	S08-138	Preparation, Electrical Properties and Piezoresistive Behavior of Poly(propylene carbonate)/Multiwall Carbon Nanotube Composites <i>Si-Yuan Li, Ming-Bo Yang* (Sichuan University, China)</i>
POG8-05	S08-194	High-performance Polymer/Carbon Hybrid Films for Flexible Thermoelectrics <i>O Hwan Kwon^{1,3}, Jin Mi Kim^{1,2}, Taeyong Ha^{1,3}, Sung-Goo Lee¹, Won-Gun Koh³, Kwang Seok Jang^{1,2}, Song Yun Cho¹, Youngjae Yoo^{1,2} (¹Korea Research Institute of Chemical Technology, ²University of Science & Technology ³Yonsei University, Korea)</i>
POG8-06	S08-198	Preparation and Characterization of Thyme Essential Oil Nanocapsules using Halloysite Nanocontainers for Food Packaging Materials <i>Si-hoon Jang, No-hyung Park* (Korea Institute of Industrial Technology, Korea)</i>
POG8-07	S08-209	Electrical and Rheological Properties of MWCNTs Filled PC/PVDF Co-continuous blends: Effect of Selective Distribution of Nanoparticles <i>Hamid Ahmadi, Azizeh Javadi*, Hossein Nazockdast (Amirkabir University of Technology, Iran)</i>
POG8-08	S08-212	A Study on The Rheological and Mechanical Properties of High Density Polyethylene/Organoclay Nanocomposites <i>Sajad Sheikhi, Azizeh Javadi*, Hossein Nazockdast (Amirkabir University of Technology, Iran)</i>
POG8-09	S08-223	A Study on Material Optimization for Polypropylene Nanocomposites based On Layered Silicates using Elongational Flow Devices <i>Walter Friesenbichler*, Markus G. Battisti, Andreas Neunhuserer (Institute of Injection Molding of Polymers, Austria)</i>
POG8-10	S08-260	The Crystallization and Drug Release Behavior of Poly(ϵ-caprolactone)/Polyethylene oxide Multilayered Composites Prepared Through Microlayer Coextrusion <i>Cong Zhang, Rong Chen, Shaoyun Guo* (Polymer Research Institute of Sichuan University, China)</i>
POG8-11	S08-266	The Effect of Hydrogen Bonding Sites on the interfacial width of PS-b-PMMA Block Copolymer Microdomains <i>Kyu Seong Lee, Sung Hyun Han, Sangshin Jang, Jicheol Park, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG8-12	S08-285	Tribological Properties of Nanosized Calcium Carbonate Filled Polyamide 66 Nanocomposites <i>Kaito Itagaki¹, Yosuke Nishitani^{1*}, Takeshi Kitano², Kenichiro Eguchi³ (¹Kogakuin University, Japan ²Tomas Bata University in Zlin, Czech, ³Shiraishi Central Laboratories, Japan)</i>
POG8-14	S08-321	Dielectric Analysis of Halloysite Nanotubes LLDPE Nanocomposite Compounds <i>Michal ermk^{1*}, Kadlec Petr¹, Zdeněk Kruliš², Polanský Radek¹ (¹University of West Bohemia, ²Institute of Macromolecular Chemistry of Academy of Sciences of the Czech Republic, Czech)</i>
POG8-15	S08-320	Structural and Mechanical Behavior of LLDPE/HNT Nanocomposite Films <i>Michal ermk*, Petr Kadlec, Pavol Šutta, Radek Polanský (University of West Bohemia, Czech)</i>
POG8-16	S08-323	Silica/Ionic Liquids Nanofiller Hybrids for High Performance Biodegradable Packaging <i>Katarzyna Z. Donato^{1*}, Ricardo K. Donato¹, Giovanna Buonocore², Marino Lavorgna², Henri S. Schrekker¹, Raquel S. Mauler¹ (¹Universidade Federal do Rio Grande do Sul-UFRGS, Brazil, ²Institute for Composite and Biomedical Materials, Italy)</i>
POG8-17	S08-326	Sol-Gel Silica-Ionic Liquid Hybrids as β-Nucleating agents <i>Ricardo Keitel Donato*, Katarzyna Zawada Donato, Joice Klitzke, Raquel Santos Mauler, Henri Stephan Schrekker (Universidade Federal do Rio Grande do Sul, Brazil)</i>
POG8-18	S08-369	Fabricate Chitosan/ Polyethylene Oxide (PEO)/ Mica Nanofiber Mats for Wound Dressing <i>Qi Chen, Kuk Jin Kim* (GyeongSang National University, Korea)</i>
POG8-19	S08-373	Preparation of Silane Modified Graphene Oxide(GO)/Poly(methyl methacrylate) Nanocomposite by Emulsion Polymerization and

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		their Characteristics <i>Seonghwan Park¹, Sunghoon Kim¹, Jaebeom Kwon¹, Jieun Jo², Changwoo Han², Kyungtae Park² KiRyong Ha^{1*} (¹Keimyung University, ²KDChem, Korea)</i>
POG8-20	S08-386	Dual Stimuli-responsive Gates for Multiple On-Off <i>Bom-yi Lee, Gumhye Jeon, Seung Hyun, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG8-21	S08-410	Hydrogen Bond-triggered Silica Nanostructured Materials; Synthesis by Controlled Etching with Polyelectrolytes for the Remediation of Environmental Pollutants <i>Md Shahinul Islam¹, Won San Choi², Hyokyung Jeon¹, Ha Jin Lee^{1*} (¹Western Seoul Center, Korea Basic Science Institute, ²Hanbat National University, Korea)</i>
POG8-22	S08-414	Regular Array of Multi-tiered Cascading of Cross-linked P(VDF-TrFE) Nanostructures for Floor Location-based Multilevel Non-volatile Memory <i>Seung Hyun¹, Owoong Kwon², Bom-yi Lee¹, Hosung Seo², Beomjin Park¹, Yunseok Kim², Jin Kon Kim^{1*} (¹Pohang University of Science and Technology (POSTECH), ²Sungkyunkwan University, Korea)</i>
POG8-23	S08-461	Preparation and Characterization of HDPE/PEMA/silane Modified Clay Nanocomposites: Effect of Interaction between Polymer and Nanofiller <i>Mohammad Asgari, Uttandaraman Sundararaj* (University of Clagary, Canada)</i>
POG8-24	S08-476	Fabrication and Characterization of Aligned Carbon Nanofiber for Supercapacitor <i>Minjae Kim, Kyung Min Lee, Seon Young Jeong, Sang Eun Shim* (Inha university, Korea)</i>
POG8-25	S08-479	Chitosan Modified Graphene/PANI Nanocomposites via In-situ Polymerization for Supercapacitors <i>K Zin Htut, Seon Young Jeong, Minjae Kim, Sang Eun Shim* (Inha university, Korea)</i>
POG8-26	S08-509	Sulfur-Rich Polymer Nanoparticles Obtained from Interfacial Polymerization in Water <i>Unho Jung¹, Jeewoo Lim¹, Won Tae Joe¹, Eui Tae Kim¹, Jeffrey Pyun^{2*}, Kookheon Char^{1*} (¹Seoul National University, Korea, ²The University of Arizona, USA)</i>
POG8-27	S08-514	Influence of Homopolymers on the Microdomain Morphology of Block Copolymers in 2D Confinement <i>Youngkeol Kim, Guiduk Yu, Kookheon Char* (Seoul National University, Korea)</i>
POG8-28	S08-517	Multiple Phases of Self-Assembled Binary Micellar Superlattices Derived from Charged Block Copolymers <i>Seyoung Kim¹, Jewon Choi¹, Misook Lee¹, Soo-Hyung Choi², Kookheon Char^{1*} (¹Seoul National University, ²Hongik University, Korea)</i>
POG8-30	S08-611	Carbon Nanowire Arrays Decorated Micro-Carbon Fibers for Highly Stretchable Electrochemical Supercapacitors <i>Hwajin Cha, Nari Kim, Youngseok Oh, Wonoh Lee* (Korea Institute of Materials Science (KIMS), Korea)</i>
POG8-31	S08-612	Stretchable Fiber-typed Supercapacitors based on Carbon Fiber Electrodes Decorated with Three-dimensional Carbon Nanotube Networks <i>Nari Kim, Hwajin Cha, Wonoh Lee, Youngseok Oh* (Korea Institute of Materials Science (KIMS), Korea)</i>
POG8-32	S08-631	Mechanical Properties of PEEK/nHA based Nanocomposites: Influence of Surface Treatment of Nanoparticle <i>Andre Luis Marcomini, Bruna Turino Rego, Rosario E. S. Bretas* (Universidade Federal de Sao Carlos, Brazil)</i>
POG8-33	S08-660	Shape Memory Characteristics of Fullerene Embedded Nanolens Array <i>Jun Young Jang, Young Seok Song* (Dankook University, Korea)</i>
POG8-34	S08-705	Influence Of Silane Coupling Agent On The Thermal Behavior Of Polyethylene Nanocomposites <i>T-M. Süld, T.Kaljuvee (Tallinn University of Technology, Estonia)</i>
POG8-35	S08-344	Morphology and Physical Properties of (Polypropylene/Styrene Butadiene Rubber/Multiwall Carbon Nanotube) Dynamically Vulcanized Nanocomposites <i>Sara Khanmohammadi, Azam Jalali-Arani*, Hossien Nazoockdast (Amirkabir University of Technology, Iran)</i>
Presentation No. (Poster Board no.)	Reference No.	G9. Foam
POG9-01	S09-84	Degradation (Kinetics) and Lifetime Predictions of Rigid Polyurethane for Insulating Steel Pipes[#] <i>Parodi Alejandro Puentes, Ines Kuehnert, Andreas Leuteritz* (Leibniz Institut fuer Polymerforschung, Germany)</i>
POG9-02	S09-93	Preparation of Polyimide/Graphene Foams and the Enhanced Properties <i>Linli Xu, Shidong Jiang, Guoxing Li, Yong Huang, Jianxin Geng* (Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China)</i>
POG9-04	S09-381	Manipulation of Poly(L-lactide) Porous Morphologies Based on Supercritical CO₂-Induced Crystallization <i>Xia Liao*, Junsong Li, Guangxian Li (Sichuan University, China)</i>
POG9-05	S09-425	Preparation of Castor Oil based Bio Polyurethane Foam Reinforced with Nanocellulose <i>You Jung Lee, Seong Hun Kim* (Hanyang University, Korea)</i>
POG9-06	S09-474	Polypropylene Foam Consisting of Thermally Expandable Microcapsule as Blowing Agent <i>Sun Kyung Jeoung¹, Ye Jin Hwang¹, Hyun Wook Lee¹, Sung Bok Kwak², In-Soo Han³, Jin Uk Ha^{1*} (¹Korea Automotive Technology Institute, ²Duckyang Ind. Co. Ltd, ³Hyundai Motors, Korea)</i>
POG9-07	S09-690	Formation of Open Cell Structure in Poly(butylenes succinate)/Poly(lactic acid) Supercritical CO₂ Foaming <i>Hao-Yang Mi, Peng Yu, Xin Jing, Bin-Yi Chen, Xiang-Fang Peng* (South China University of Technology, China)</i>
POG9-08	S09-691	Poly(propylene carbonate)/Nano-CaCO₃ Composites and their Supercritical CO₂ Foaming Behavior <i>Xiang-Fang Peng*, Peng Yu, Hao-Yang Mi, Xin Jing (South China University of Technology, China)</i>

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POG9-09	S09-692	Properties and Foaming Behavior of Macroporous PLA/PEG/NaCl Scaffold <i>Bin-Yi Chen, Peng Yu, Hao-Yang Mi, Xin Jing, Xiang-Fang Peng* (South China University of Technology, China)</i>
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