

## Poster

Assigned Presentation	Reference Author	Reference Number	Abstract Title	Country
Poster	Ahmadi, Shervin	S01-11	Variations in rheological properties by melt reactive modification of PET	Iran
Poster	ahmadi, shervin	S01-54	In situ ring-opening polymerization of laurolactam in presence of MWCNT toward Polyamide 12/MWCNT-nanocomposites	Iran
Poster	Al Aiti, Muhannad	S05-441	Precursor fibers from Lignin-Polyacrylonitrile blends regenerated from chloride based ionic liquid solutions	Germany
Poster	alchekh wis, abdulmounem	S05-184	Performance of jute/PLA all-biodegradable overmolded eco-composites	Turkey
Poster	Altstaedt, Volker	S06-179	Influence of Processing Parameters on the Morphology of Co-Injected Foamed Parts	Germany
Poster	Auscher, Marie-Camille	S06-63	Highly filled suspensions with zirconia powders: Assessment and control of the surface chemistry	France
Poster	bester, keagan	S04-293	mechanochemical synthesis of layered double hydroxide materials	SouthAfrica
Poster	Bex, Gert-Jan	S07-201	Two-Component Injection Moulding of Thermoplastics with Thermoset Rubbers: the Effect of the Mould Temperature Distribution	Belgium
Poster	Bhandari, Dr.Hema	S13-285	Development and Evaluation of Fabric modified with Polypyrrole/CuO Nanocomposite for Antimicrobial and Antistatic Applications	India
Poster	Biswas, Sourav	S08-331	High Performance Electromagnetic Wave Absorber Derived from Multi Layered Assembly of PC/PVDF Blends Containing Different Functional Conducting and Magnetic nanomaterials	India
Poster	Bizhani, Hasti	S08-432	Low percolation thresholds of electrical conductivity and rheology in PC/SAN/MWCNT nanocomposites	Iran
Poster	Bolvardi, Beleta	S10-257	An Investigation of morphology and chemical composition of water-repellent films based on Poly(dimethylsiloxane)/titanium dioxide nanocomposites	Iran
Poster	Bonse, Baltus	S01-188	Saw dust reinforced toughened polypropylene (PP/EPDM/talc): effect of plasticizer incorporation	Brazil
Poster	Bonse, Baltus	S01-405	Cross-Linked Polyethylene (XLPE) As Filler in High-Density Polyethylene: Effect of Content and Particle Size	Brazil
Poster	Bonse, Baltus	S02-258	Recycled polycarbonate as impact modifier in polypropylene	Brazil
Poster	BOUKERROU, Amar	S04-4	PROPERTIES OF POLY (HYDROXYBUTYRATE-CO-VALERATE) COMPOSITES REINFORCED WITH ALFA FIBER AND ITS CELLULOSE	Algeria
Poster	CAN, BUSE	S02-68	The Usage of Octaisobutyl-POSS in The Blends of PLA/PBAT: "Effects of Molecular Weight of PBAT"	Turkey
Poster	CAN, BUSE	S02-69	Effects of different toughens on the properties of poly(lactic acid)	Turkey
Poster	Catelli, Adriana	S06-254	Influence of reprocessing on the mechanical and thermal properties of polypropylene	Brazil
Poster	Chang, Baobao	S11-160	Cavitation and Lamellae Fragmentation-Reconstruction of Isotactic Polypropylene during Uniaxial Drawing: the Influence of Annealing	Germany
Poster	Cherukupally, Pavani	S03-265	The Influence of the Morphological Structure of Polymer Foam-Based Adsorbents for the Treatment of Organic Contaminated Wastewater	Canada
Poster	Cherukupally, Pavani	S10-266	Bio-inspired hierarchical nanocomposite foam for rapid oil/water separation	Canada
Poster	Chiang, Chin-lung	S04-53	Microencapsulation of Melamine Polyphosphate and Its Flame Retardance in Polyurethane Composites	Taiwan
Poster	Chiou, Yung-Chuan	S07-74	Experimental Study on the Behavior Response for the CR / NR Hybrid Rubber Damper Subjected to a Cyclic Loading in Compression	Taiwan
Poster	Choi, Jun	S07-316	The synthesis and characterization of silane coupling agents to increase silica filler content in styrene-butadiene rubber wet master batch for all-season automobile tires	Korea
Poster	Daenicke, Jonas	S07-243	Evaluation of the influence of crosslink density and penetrant size on the diffusion properties of silicone oils into silicone elastomers	Germany
Poster	De Santis, Felice	S08-388	Melt compounding of Poly(Lactic Acid) with carbon-based fillers: effect on crystallization kinetics	Italy
Poster	Dippold, Dirk	S13-221	Analysis of the spinning process and batch-to-batch consistency of aligned PCL/Collagen nanofibers for skeletal muscle	Germany
Poster	El Mabrouk, Khalil	S13-427	Drug delivery in Carboxymethylcellulose / Graphene Oxide / Hydroxyapatite composites systems	Morocco
Poster	Elias, Anastasia	S08-370	Bipolymer-Carbon Nanotube Composites	Germany
Poster	Essig, Wolfgang	S11-8	Non-Contact Inline Monitoring of Thermoplastic CFRP Tape Quality Using Air-Coupled Ultrasound	Germany
Poster	Evens, Tim	S06-202	Experimental analysis of conformal cooling in SLM produced injection moulds: Effects on process and product quality	Belgium

## Poster

Poster	Formisano, Benjamino	S01-83	Recycling Cast Polyamide 6 Using a Lubricant	Germany
Poster	Forsgren, Lilian	S03-239	Surface treatment of cellulose nanocrystals (CNC) – effects on dispersion rheology	Sweden
Poster	Fukaya, Koki	S10-146	The polymerization of the side chain crystalline block copolymer and the study of super hydration	Japan
Poster	Garmabi, Hamid	S01-410	Synthesis of MMA/GMA graft and random copolymers by melt and solution copolymerization	Iran
Poster	Gensel, Julia	S05-337	Novel flame-retardant polymer bead foams	Germany
Poster	Gevers, Bianca	S04-294	Parameters Affecting the Dissolution-Precipitation Synthesis of Katoite and Hydrocalumite	SouthAfrica
Poster	Gnanaseelan, Minoj	S05-420	Thermoelectric properties of PEDOT:PSS modified with vitamin C	Germany
Poster	Grady, Brian	S08-65	Rate Effects in Thermogravimetric Analysis of Carbon Nanotubes	USA
Poster	Ivanoska-Dacicj, Aleksandra	S13-429	Obtaining Biodegradable, Elastic Electrospun Polyurethane/Graphene Oxide Grafts for Tissue Scaffolds	R. Macedonia
Poster	Javadi, Azizeh	S02-358	Nanoparticle Partitioning of MWCNTs Filled PC/PVDF Co-continuous Blends by Rheological Characterization	Iran
Poster	Javadi, Azizeh	S04-248	Preparation and properties of Antimicrobial PLA/PEG/Nano Ag nanocomposites	Iran
Poster	Javadi, Azizeh	S04-267	The effect of Nanosilica on Rheology, Crystallinity and Mechanical properties of High Density Poly Ethylene (HDPE), Ethylene,1- Octene Copolymer (EOC) and their blends	Iran
Poster	Jen, Yi-Ming	S08-115	Synergetic Effect of Carbon Nanotubes and Graphene Nanoplatelets on the Fatigue Crack Growth Rate of Epoxy Composites	Republic of China
Poster	Kar, Goutam	S02-330	Morphology, Crystallization Kinetics in Ternary Polymer Blends: Evaluating the Influence of Surface Functionalized Carbon Nanotubes	India
Poster	Kaschta, Joachim	S03-281	LCB formation in PLA by reactive extrusion	Germany
Poster	Khodabakhshi, Khosrow	S01-261	Influence of modified and unmodified rice husk on mechanical properties of Poly (lactic acid)	Iran
Poster	khonakdar sangdehi, hossein	S01-421	Analysis of dynamic oscillatory rheological properties of PP/EVA/organo-modified LDH ternary hybrids based on generalized Newtonian fluid and generalized linear viscoelastic approaches	Iran
Poster	Khonakdar sangedehi, Hossein	S01-423	Thermal and Dynamic Mechanical Properties of PP/EVA Nanocomposites Containing Organo-Modified Layered Double Hydroxides	Iran
Poster	Khonakdar, Hossein Ali	S02-362	Investigation on the thermal stability and morphology of PLA/PCL/Starch ternary blends containing hydroxyapatite nanoparticles and triclosan	Germany
Poster	Khonakdar, Hossein Ali	S04-346	Assessment of poly(lactic acid) crystallization behavior in the presence of a plasticizer and nanoparticles	Germany
Poster	Khonakdar, Hossein Ali	S04-440	On the effect of using a hybrid of nanoparticles containing clay and CaCO <sub>3</sub> on the viscoelastic response of PP/EVA blends	Germany
Poster	Khonakdar, Hossein Ali	S10-189	Investigating the effect of surface energy of chitosan/titanium dioxide nanocomposite films on their antibacterial behavior	Germany
Poster	Khonakdar, Hossein Ali	S10-345	Assessment of the role of surface modification of nanosilica on the wetting behavior of thermoplastic polyurethane surfaces	Germany
Poster	Kong, Miquiu	S02-375	Elongation Thinning and Morphology Deformation of Nanoparticle-filled Polypropylene/Polystyrene Blends in Elongational Flow	China
Poster	Krause, Beate	S08-157	Synergistic effects of graphite mixtures with different particle sizes and morphology on the electrical and thermal conductivity of highly filled polypropylene composites	Germany
Poster	Kremser, Thomas	S13-226	Mechanical stress relaxation of medical tubing for infusion therapy: predicting product performance by material modelling	Germany
Poster	kuehnert, Ines	S06-413	Hygrothermal aging and effect of corrosion in polymer-metal joints	Germany
Poster	Kuehnert, Ines	S06-47	Test Title	Germany
Poster	Kunz, Karina	S08-379	Electrical conductivity of PVDF composites melt mixed with MWCNTs having different morphologies	Germany
Poster	Lanyi, Franz	S05-389	Novel method to measure surface crystallinity of fibers and nonwovens	Germany
Poster	Lanyi, Franz	S05-390	A comprehensive study on the properties of polypropylene fibers and nonwovens in dependence of processing and storing conditions	Germany
Poster	Leucker, Karsten	S05-164	Development of a model for the mechanical behaviour of polypropylene nonwovens for different test directions and strain rates	Germany
Poster	Liu, Zhiqi	S07-211	Application of Functional Magnesium-based Nanomaterials in Room Temperature Vulcanized Silicon Rubber Composite	China

## Poster

Poster	López-Naranjo, Edgar	S04-23	USE OF NATURAL POLYMERS EXTRACTED FROM AGROINDUSTRIAL RESIDUES OF Agave tequilana Weber var. azul IN THE SYNTHESIS OF SILVER NANOPARTICLES AND THEIR ANTIBACTERIAL ACTIVITY	Mexico
Poster	Mahdavi, Reza	S02-418	An Investigation of Linear Viscoelastic Behavior of PP/EVA/LDH nanocomposites by Using Dynamic Mechanical Analysis and Creep test	Iran
Poster	Manero, Octavio	S08-108	POLYPROPYLENE NANO-GRAPHITE COMPOSITES OBTAINED BY AN ULTRASOUND TECHNIQUE AND MELT EXTRUSION	Mexico
Poster	Marschik, Christian	S03-150	Modeling the Flow of Non-Newtonian Fluids in Single-Screw Extruders	Austria
Poster	Mehranpour, Milad	S02-356	Enhanced thermal conductivity of polymer composites filled with hybrid fillers	Iran
Poster	Mehranpour, Milad	S05-133	Preparation Of Intelligence Antibacterial Films Based On Low Density Poly Ethylene And Evaluation Of Its Properties	Iran
Poster	Memarian, Farzaneh	S08-296	The influence of graphene nanoplatelets on mechanical and shape memory properties of thermoplastic polyurethane/ acrylonitrile butadiene styrene nanocomposites	Iran
Poster	Miho, Yuga	S10-191	Polyethylene surface modification ability of side chain crystalline polymer and side chain crystalline block copolymer.	Japan
Poster	Morais, Manuel	S10-409	Alignment of carbon nanoparticles in composites with electric fields	Germany
Poster	Müller, Michael	S08-352	Influence of a supplemental filler in twin-screw extruded PP/CNT composites using masterbatch dilution	Germany
Poster	Nadiv, Roey	S08-30	Monitoring polymer diffusivity in nanocomposites by NMR	Israel
Poster	Naseem, Sajid	S04-70	Study of modified LDHs as UV protecting materials for Polypropylene (PP)	Germany
Poster	Nastaj, Andrzej	S03-245	Optimization for Starve Fed/Flood Fed Single Screw Extrusion	Poland
Poster	Nishitani, Yosuke	S04-5	Friction and Wear Properties of Recycled Natural Fiber Reinforced Plant-Derived Polyamide1010 Biomass Composites	Japan
Poster	Nobile, Maria	S08-282	Nanofilled epoxy adhesives: optimization of the rheological properties of the nanofilled formulations	Italy
Poster	Ozkoc, Semin	S05-27	Effect of co-plasticizer type on properties of edible starch films	Turkey
Poster	Park, No-hyung	S04-269	Preparation and characterization of polyimide reinforced carbon fiber composites by vacuum assisted resin infusion	Korea
Poster	Parra, Julián	S14-333	Development of novel Nanocarbon composites based on functionalised MWCNTs and Poly Lactic Acid for Fused Deposition Modeling applications	Spain
Poster	Perez-Fonseca, Aida	S04-28	EFFECT OF MODIFIED MONTMORILLONITE IN THE FLEXURAL AND TENSILE PROPERTIES OF POLYLACTIC ACID NANOCOMPOSITES	Mexico
Poster	Peters, Gerrit	S03-260	Full characterization of multi-phase, multi-morphological kinetics in flow-induced crystallization of iPP at elevated pressure	Netherlands
Poster	Pircheraghi, Gholamreza	S04-187	Preparation and characterization of electrically conductive Thermoplastic polyurethane/Graphene-Graphene oxide nanocomposite porous films	Iran
Poster	Pötschke, Petra	S08-304	The relationship between microstructure and the vapor sensing behaviors of multi-walled carbon nanotubes filled polycarbonate/polystyrene blends	Germany
Poster	Pötschke, Petra	S08-311	Comparative study of electrical percolation of single-, multiwalled and branched carbon nanotubes melt mixed in different thermoplastic matrices	Germany
Poster	Pötschke, Petra	S08-312	Melt mixed composites of polypropylene with single walled carbon nanotubes for thermoelectric applications: switching from p- to n-type behavior by additive addition	Germany
Poster	Pyshnograï, Grigory	S03-203	ANALYSIS OF NONLINEAR VISCOELASTIC PROPERTIES OF POLYMERIC MATERIALS AT THEIR LARGE PERIODIC DEFORMATION	Russia
Poster	Pyshnograï, Grigory	S03-204	MATHEMATICAL MODELING OF THE FILM FORMING POLYMER IN A BIAXIAL STRETCHING	Russia
Poster	Pyshnograï, Grigory	S03-205	HYDRODYNAMIC CHARACTERISTICS OF THE POLYMER MELTS FLOWS IN THE CONVERGING PLANE-PARALLEL CHANNELS	Russia
Poster	Raimonda, Pablo	S07-129	Nano silica from rice husk: How to solve an environmental problem through SBR	Uruguay
Poster	Reim, Viktor	S03-136	Using the Cone Partitioned Plate geometry for enhanced material characterization of polymer melts	Germany
Poster	Rouif, Sophie	S09-465	RADIATION CROSS-LINKING TECHNOLOGY FOR EXTRUDED PRODUCTS	France
Poster	Rzeczkowski, Piotr	S08-156	Highly filled PP/graphite composites: Study of electrical and thermal conductivity as well as adhesive joining	Germany

## Poster

Poster	Sanchez-Solis, Antonio	S06-110	Extrusion-ultrasound on polyethylene terephthalate and polycarbonate composite from recycled materials	Mexico
Poster	Schawe, Juergen	S14-401	Determination of the Short Time Stability of Polymers	Switzerland
Poster	Shaw, Montgomery	S10-259	Influence of processing method and parameters on the quality of composite films of montmorillonite clay (MMT) and poly(vinyl alcohol) (PVA)	USA
Poster	Shen, Ming-Yuan	S04-62	Thermal Cycling effect on Mechanical properties of Multiwalled Carbon Nanotubes reinforced epoxy/carbon fiber composite laminates	Taiwan
Poster	Silva, Cláudia	S12-422	INVESTIGATION AND APPLICATION OF A GRAPHENE LAYER AS PARTICULATE SUSCEPTOR IN POLYMER HYBRID MATERIALS	Germany
Poster	Souza, Adriana	S02-253	Mechanical properties of virgin ABS/post-consumer ABS blends	Brazil
Poster	Stary, Zdenek	S03-291	Structure development in molten conductive polymer composites studied by electrical-rheological measurements	Czech
Poster	Stieger, Sebastian	S01-206	A Study on the Optimization of Thermal Conductivity of HDPE Using Micro- and Nanoscale Fillers	Austria
Poster	Suld, Tiia-Maaja	S01-297	Rheological and Mechanical Behavior of Polyethylene Filled with Estonian Oil Shale Heat Carrier Retorting Waste Ash.	Estonia
Poster	Takarada, Wataru	S03-268	Effect of thermal history on crystallization behavior of polyethylenes in high-speed DSC measurements	Japan
Poster	Tsai, Jia-Lin	S08-16	Effect of functionalization on the thermal conductivity of multilayer graphene nanocomposites	Taiwan
Poster	Tuccar Kilic, Nilay	S02-72	Thermal and Thermo-mechanical Properties of PLA/TPU/Epoxy-POSS Ternary Blends	Turkey
Poster	Tuccar Kilic, Nilay	S02-73	Immiscible PLA/PBAT blends and Partially Miscible PLA/TPU blends: "Comparison of the Effects of O-POSS on Thermal and Thermo-mechanical Properties"	Turkey
Poster	Uchino, Tomonori	S10-145	Polyethylene plating by using the function of side chain crystalline block copolymer	Japan
Poster	Vargas, Maria Angeles	S01-24	Effect of ammonium and aminosilane montmorillonites organo-clays on the curing kinetics of unsaturated polyester (UP) resin nanocomposites	Mexico
Poster	vargas, maria angeles	S04-235	Effect of ammonium and aminosilane montmorillonites organo-clays on the curing kinetics of unsaturated polyester (UP) resin nanocomposites	Mexico
Poster	vargas, maria angeles	S04-44	Effect of ammonium and aminosilane montmorillonites organo-clays	Mexico
Poster	Weißmann, Volker	S14-50	Comparison of the mechanical properties of 3D printed polymers and TiAL6V4 used in medical applications	Germany
Poster	Yan, Yurong	S05-130	Influence of Raw Material Properties on Swelling and Spinning Stability of UltraHigh Molecular Weight PolyethyleneMonofilaments	China
Poster	Yao, Shigeru	S03-151	Shear Stress Growth Phenomena of Amorphous Polymer in Low Shear Rate Region	Japan
Poster	Yildiz, Ramazan	S03-327	Influence of Talc Properties on Processability, Rheological Behaviour and Crystallinity of PP Based Automotive Compounds	Turkey
Poster	Zhao, Pengcheng	S04-95	Effect of phosphorus-containing modified magnesium hydroxide on the mechanical properties and flammability of PLA/MH composites	Germany
Poster	Ziegler, Lisa	S12-385	Preparation of ultra-thin metallic Susceptor Structures for Electromagnetic Induction Heating	Germany
Poster	Zimmerer, Cordelia	S12-292	FT-IR spectroscopy as analytical tool in the reactive processing technology of Polycarbonate	Germany