### SINGLE-SCREW EXTRUSION

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- Kazmer, U Mass Lowell: Modeling single-screw designs
- Marschik, Kepler U Linz: Modeling 3-D flow
- Roland, Kepler U Linz: Viscous dissipation in single-screw
- Womer, consultant: Mixing in single-screw extruders
- Womer, consultant: Sudden screw failure
- Christiano, Davis-Standard: Selecting extruder and screw design
- Sun, Dow: Optimizing design of Maddock sections
- Slusarz, consultant: Screw design review
- Griff, consultant: 10 (11) key principles of extrusion

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- Andersen, Coperion: Kneading blocks in twin-screw compounders
- Mulrennan, I Tech Sligo: PLA compounding in twin-screw
- Calderon, Umass Lowell: Compatibility and rheology of biodegradable blends
- Tarverdi, Brunel U: Ultrasound helps additive dispersion in twin-screw
- Ema, U Maryland-CP: Effect of conditions on mixing and humidity in twin-screw
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- Park, U Toronto: Foaming PLA
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- Mantell U Minnesota Effect on PE film of free chlorine in hot water
- Falla Nova Grease resistance of multilayer PE films
- Zhang Schulman High gas barrier multilayer materials
- Soltani U Minnesota High gas barrier multilayer materials
- Yesildag RWTH Aachen Oxygen transport thru plasma-barrier PE on PP
- Colegrove Dow Revision of ASTM D7310 for defect detection in film
- Tatarka Topas Blown cyclic-olefin films
- Karjala Dow New LDPE blends with LLDPE run faster, affect mechanicals
- Karjala Dow Improved octene-based LLDPEs
- Matuana Mich State U Film blown from PLA with cellulose nanocrystals
- Neubert U Duisburg-Essen Computer-aided adjustment of air ring
- Wang Dow Residence time distribution study of film bubble
- Yesildag RWTH Aachen Simulating predistribution in spiral mandrel dies
- Muslet Clopay Coextrusion layer-splitting
- Mount consultant Barrier coextrusion for OPP film
- Yokomizo Japan Steel Works Simulation and experiments with multilayer flat film/sheetdies
- Catherine Olivier Review of coextrusion of sheet, flat film, coating
- Hsieh Kaohsiung U Cast film for microlens
- Jones Dow Sticking of elastomer film on chill roll
- Burgstaller Transfercenter fur K-te Properties of LDPE-EVAL-nylon 6 blends
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- Song Beijing Inst Tech PP fibers reinforce extruded PP sheet
- Zatloukal Bata U Zlin Rheology & elasticity effects on neckin of flat film
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- Chudnovsky Avery Dennison Delamination of plastic film
- Valavala Pavan Study and verification of Gelbo test (ASTM F392) to qualify film resins

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- Wee Korea U Slow crack growth in HDPE
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greko  Carlisle Syntec  Flexible PVC roofing saves energy
Chapman  JRB/ Duro-Last  Sustainable PVC roofing
Harmon  BASF  Sustainable plasticizers
Krock  Vinyl Institute  Recycling vinyls
Kretschmer  X-compound  Compounding vinyl flooring
Brown  Sekisui  Vinyl’s light weight and flame resistance save fuel on aircraft

RHEOLOGY AND FLOW
Campbell  Castle  Flow of filled PE (slurries)
Wetzel  duPont  Rheology of PE with TiO2 and CaCO3
Lian  Beijing Inst of Tech  Rheology of UHMWHDPE-reinforced PE
Pierson  Abbott  Rheology of medical TPUs
Guo  EHC Canada  Bagley correction in viscosity measurement
Zatloukal  Bata U Zlin  Modeling melt-blown polymer flow
Perdikoulias  Compuplast  Using shear stress/shear rate data to design flow channels
Kim  Hannam U  Measuring viscosity of melts with/without blowing agent in torque rheo
Haake  Göttfert  Capillary rheometer fed by little screw extruder
Gupta  Plastic Flow  Simulating flow in coextrusion die for automotive sealing profiles
Gupta  Plastic Flow  Designing dies for uniform exit velocity

GENERAL and MISCELLANEOUS
Griff  consultant  How to read a material data sheet
Perdikoulias  Compuplast  Extrusion from the polymer’s point of view
Brunner  Interfacial  Concentrates of pretreated fillers at very high loadings
Isayev  U Akron  Ultrasonic-assisted extrusion
Mohammed  Swinburne U  Varying extrusion conditions PC-ABS fils for 3-D printing (additive mfg)
Ebrahimi  U British Columbia  Effect of internal die surface on slip of extrudate
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Russell  Optimized Cpts  Reactive extrusion
Lakhman  General Cable  Low-smoke, zero-halogen wire & cable compounds
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Langhe  Polymer Plus  Coextrusion of PP/nylon fibers into nonwoven filter media
Macosko  U Minnesota  Filter media from melt-blown nanofibers
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Pham  Freudenberg  Recycled PET for nonwoven carpet backing
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Residence Stress Distribution simulation in corotating twins w/ Ludovic
High-temperature PE copolymer pipe replaces glass-reinforced thermoset.

Measuring viscosity of melts with/without blowing agent in torque rheometer.