

The TPE Primer

Schedule

Tuesday, September 18

On-site Registration and Light Lunch 12:00 pm to 1:00 pm

1:00 pm to 4:45 pm

William Blasius, Host

Family Tree of TPEs

Viv Malpass *Tek-Mark Int.*

Polyolefin Elastomers

Jeff Munro *Dow Chemical*

TPVs

Styrenics

Parashar Davé *TSRC Global*

Polyurethanes

Polyesters

Paul Moruzi *DSM*

Polyamides

Jake McDonough *Arkema*

Ionomers

Thomas Kennedy *Chemical Innovative Solutions*

Material Selection Design Cases (3)

William Blasius

Wrap Up

TOPCON Schedule

Tuesday, September 18

On-site Registration 4:00 pm to 6:00 pm
Set Up Displays 12:00 pm
Displays Open 5:00 pm to 7:00 pm
Welcome Mixer 5:00 pm to 7:00 pm

Wednesday, September 19

Speaker's Meeting 7:30 am to 7:45 am
On-site Registration 7:30 am to 2:00 pm
Welcome Remarks 7:45 am
Displays Open 8:00 am to 7:30 pm
Tech Sessions – am 8:00 am to 12:00 pm
Lunch 12:00 pm to 1:00 pm
Tech Sessions – pm 1:00 pm to 5:00 pm
Reception 5:30 pm to 7:30 pm
SIG Board Meeting 6:30 pm

Thursday, September 20

Speaker's Meeting 7:30 am to 7:45 am
On-site Registration 7:45 am to 12:00 pm
Displays Open 8:00 am to 5:00 pm
Tech Sessions – am 8:00 am to 12:00 pm
Lunch 12:00 pm to 1:00 pm
Tech Sessions – pm 1:00 pm to 5:00 pm
Adjourn TOPCON 5:00 pm

TOPCON Technical Program

Moderators

Jeff Munro, Dow – Automotive
Prakash Sanjeevaiah, Star - Processing
Hoan Tran, Kuraray - Medical

Wednesday, September 19

Marketing Perspective

Paths Forward for TPEs

Robert Eller *Robert Eller Associates LLC*

Enabling Wearable Technology

Boron Nitride Based Thermally Conductive

Elastomers for Thermal Management

Chandrashekar Raman *Momentive*

Soft Touch Thermoplastic Elastomers

You-Hao (Tim) Yang *Polymer Dynamix*

Next Generation Stretchable Materials

Ken Araujo *Namics*

Medical Grade Elastomers

Tecobax™ - A New Class of Non-softening Thermoplastic Polyurethanes for Medical Applications

Walid Qaqish *Lubrizol*

New Hydrogenated Styrenic Block Copolymers for Medical Applications

Bing Yang *Kraton*

Automotive and Transportation

How Low VOC and FOG TPEs Help Achieve Vehicle Interior Air Quality Requirements

Liang Xu *PolyOne*

Evolution of Process Oils in TPE and

New High MW Clear Oils

Mark Proudfoot *Renkert Oil*

Sarlink Advantages in Sealing System Designs

Darnell Worley *Teknor Apex*

Elastomer Testing Technology

Methods for Impact Testing of Thermoplastic Elastomers and Elastomers

Sean Teller *Veryst Engineering*

Secondary Processing

A Study of Crosslinking by Electron Beaming of Polymeric Composition for Welding Cables

Dan Marginean *Electron Beam Technologies*

Now You See It, Now You Don't – The Magic of

Dry Ice Mold Cleaning in TPE Molding

Steve Wilson *Cold Jet*

Keynote Address – Wednesday Lunch

Qaizar Hassonjee, Hass Tech Associates
“Market Back Innovation using Smart Textiles”

Thursday, September 20

Compounding and Primary Processing **Supercritical Fluid Injection into Twin Screw Extruders- Applications and Tips for TPEs**

Charlie Martin *Leistritz*

Fundamentals of Twin-Screw Extrusion **TPE Compounding: Common Pitfalls and How to Avoid Them**

Paul Andersen *Coperion Corp.*

Comparison of the Kneader and the Twin Screw Extruder in the Compounding of TPV Materials

Kenneth Russell *Optimized Compounds, LLC*

Injection Molding Reinvented

Rick Fitzpatrick *Extrudetofill*

Performance Enhancing Additives

GENIOPLAST® PELLETS – Solutions for Plastic Compounds

Daniel Calimente *Wacker*

The Benefits of Micronized Rubber Powders as Novel Fillers for Thermoplastic Elastomer Compounding: Value Enhancement, Lower Cost and Sustainability

Haikun Xu *Entech*

Substitution of Benzotriazole UV Absorbers in Plastics

James Botkin *Botkin Chemie*

The Use of Pure Monomer Hydrocarbon Resins to Enhance Adhesion and Flow Properties in TPE Compounds

Timothy Blayney *Eastman*

TPE Material Developments

SEPTON BIO-series, a Bio Based Hydrogenated Farnesene Styrenic Copolymers Exhibiting Excellent Wet Grip Performance

Hoan Tran *Kuraray*

Crosslinked SBC – The Big Opportunities for North America

Şerif Erdoğan *Elastron*

Waterproof TPU Roof Underlayment with Nail-sealing Capability

Mark Kujawski *BASF*

High Temperature Thermoplastic Copolyester for Rubber Replacement

Paul Maruzi *DSM*

Recent TPU Innovations in Extrusion Applications

Nabarun Roy *BASF*

Keynote Address – Thursday Lunch

Christine Hockman, Great Lakes Biomimicry
“Biomimicry”