



IMAGINEERING PLASTICS WORKSHOP

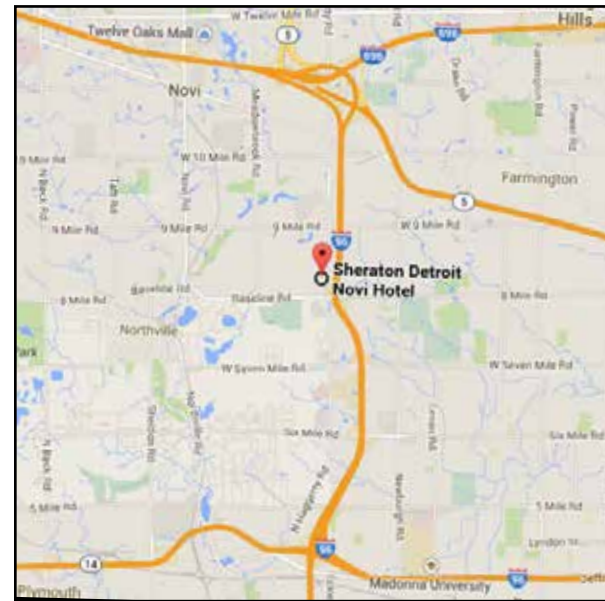
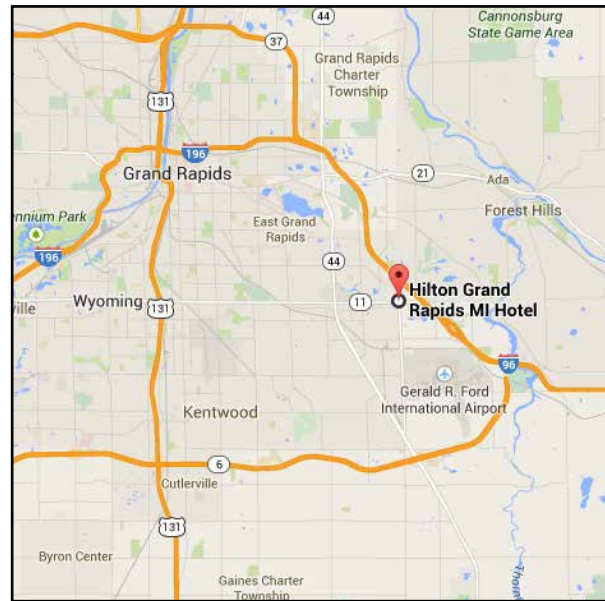
IDEA • APPLICATION • PROBLEM • SOLUTIONS

At RTP Company, we pair imagination with engineering to *imagineer* thermoplastic compounds. Our Imagineering Plastics Workshop is focused on the needs of professionals like you, who rely on material technology to develop successful commercial projects... so bring your idea, application and/or problem, and we'll *imagineer* a specialty compound with one or more of the following characteristics:



Tuesday, September 30, 2014
HILTON GRAND RAPIDS AIRPORT
4747 28th Street SE
Grand Rapids, MI 49512 | USA

Thursday, October 2, 2014
SHERATON DETROIT NOVI
21111 Haggerty Road
Novi, MI 48375 | USA



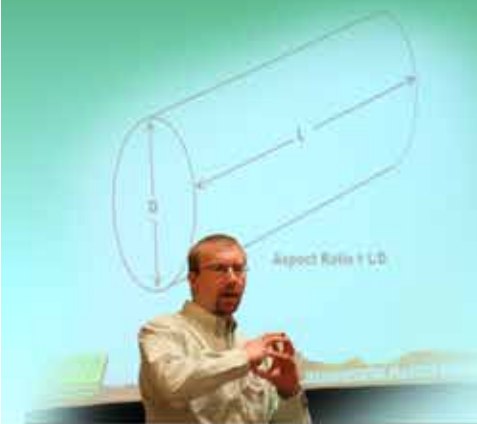
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Imagineering Plastics Workshop



You will learn about –

- Selecting the correct thermoplastic for your application
- How to engineer materials to meet specifications
- Additives used in polymers to increase performance
- Computer-aided engineering (CAE) tools for part design and process improvements



Learn from our experts!

www.rtpcompany.com/workshop

Imagineering Plastics Workshop

Reserve your seat today!

RETURN SERVICE REQUESTED

580 EAST FRONT STREET
P.O. BOX 5439
WINONA, MN 55987-0439



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**STRUCTURAL • THERMOPLASTIC ELASTOMERS • WEAR
COLOR • CONDUCTIVE • FLAME RETARDANT • FILM/SHEET**

Your Global Compounder of Custom Engineered Thermoplastics

Explore material technologies with our experts!

You and your colleagues are invited to join RTP Company for a one-day, no cost Imagineering Plastics Workshop where our experts will guide you in your engineered thermoplastic material selections.

“Good, solid presentations blending technical issues with RTP Company’s ability to address those issues.”

– *Manager from Atlanta*

“The information was presented for all levels of plastic knowledge.”

– *Designer from Charlotte*

“Very experienced, knowledgeable speakers.”

– *Engineer from Texas*



Locations/Dates

Choose your venue from the workshops listed below

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Online registration is open at: www.rtpcompany.com/workshop

Questions?

Contact your RTP Company Sales Engineer, or call Andy Lamberson at 507-474-5470; or email: alamberson@rtpcompany.com



IMAGINEERING PLASTICS WORKSHOP

IDEA • APPLICATION • PROBLEM • SOLUTIONS

8:00 – 8:40 a.m. - Registration and Continental Breakfast

8:40 – 9:00 a.m. - Welcome and Introduction

Kevin Jennings - Sales Manager – Central Region

9:00 a.m. - An Engineer’s Guide to Specifying the Right Thermoplastic

Steve Maki - VP of Technology

Steve will explain how to use resin morphology, temperature performance, and cost to choose the right resin. Plus, how additives can further enhance performance. Case studies will test your knowledge.

Attend the presentations of your choice

A – Track

10:00 a.m. - Tough or Strong? Short or Long? Dialing in Mechanical Performance

Brennan Ashton - Product Development Engineer

Many additive technologies can enhance the mechanical properties of plastics. Brennan will discuss the gamut from polymer blends to Very Long Fiber reinforcement, including the use of high performance engineering resins.

11:00 a.m. - Live in the Wall Section: CAE Tools

Barb Matousek - CAE Analyst

Not all analysis is created equal; understand what you’re getting and what it means. Barb will give a comprehensive review of CAE analysis tools and their capabilities for aiding part design and trouble-shooting.

12:00 noon - 1:00 p.m. - Complimentary Lunch

1:00 p.m. - The Long and Short of it: VLF (Very Long Fiber)

Karl Hoppe - Senior Product Development Engineer

Karl takes a look at “stiff and tough” Very Long Fiber composites as a replacement for metal or other engineered materials. Learn about their unique benefits, performance, and processing.

2:00 p.m. - Plastic Design Principles for Structural Composites

Keith Scales - CAE Analyst

Keith offers comprehensive overview of basic part design guidelines as well as important principles for designing with reinforced thermoplastics including material issues, tool design concerns, and processing challenges.

3:00 p.m. - Eco-Friendly, Engineered Plastic Solutions

Will Taber - New Technology Market Manager

Will goes beyond “green” buzzwords and explains how bioplastic and recycled materials can be engineered to meet the performance requirements of semi-durable and durable goods.

4:00 p.m. - A Practical Guide to the Process of Selecting Materials

Karl Hoppe - Senior Product Development Engineer

Karl focuses on the material selection process, from identifying important properties through qualification testing, highlighting steps to take (or not take!) to ensure a successful project. Lively examples will illustrate the process.

4:45 – 5:00 p.m. - Closing Remarks

B – Track

10:00 a.m. - Conductive & EMI Thermoplastic Technologies

Ned Bryant - Senior Product Development Engineer

Join Ned for a review of conductive and EMI technologies with an emphasis on the customization of compounds for automotive applications.

11:00 a.m. - Everything You Need to Know about TPEs

Brandon Bubak - Sales & Marketing Director

Go beyond the acronyms and understand the world of thermoplastic elastomers, as Brandon explains what they are made of, how and why they do what they do, how they compare to one another, and where they can be used.

1:00 p.m. - Driving Solutions to Clear the Fog from Light Diffusion

Anna Kreofsky - Product Development Engineer

Anna provides a fresh review of design trends and proven solutions for the demanding optical needs required by 21st century automotive infotainment applications, including light diffusion, wavelength attenuation, and color correction/control.

2:00 p.m. - Fundamentals of Thermoplastic Wear and Friction

Ben Gerjets - Product Development Engineer

Ben will help you make sense of wear and friction principles that affect plastics. He’ll explain additive solutions beyond PTFE, material evaluation and testing methods, and share exclusive results for Ultra Wear products.

3:00 p.m. - Flame Retardants and the Evolving Regulatory Landscape

Jesse Dulek - Product Development Engineer

Jesse reviews the mechanisms for making plastics flame retardant while also showing what you need to know to meet both industry testing standards and changing environmental regulations.