



A Subdivision of the Rubber Division of the American Chemical Society

Winter 2016

www.ohiorubbergroup.org

PO Box 341, Bath, OH 44210

2016 Events OHIO RUBBER GROUP

www.ohiorubbergroup.org

Be sure to renew your membership for 2016

Winter Technical Meeting
Tuesday, January 26, 2016
Twinsburg Hilton Inn

Spring Technical Meeting
Tuesday, April 5, 2016
Twinsburg Hilton Inn

Golf Outing
Tuesday, June 21, 2016
Yankee Run, Warren

Golf Outing
Monday, August 29, 2016
Portage CC, Akron

Fall Technical Meeting
Tuesday, September 27, 2016
Twinsburg Hilton Inn

RUBBER DIVISION

www.rubber.org

189th Technical Meeting and
Educational Symposium
April 18-21, 2016
San Antonio, TX

190th Technical Meeting
International Elastomer
Conference
October 10-13, 2016
Pittsburgh, PA

CLEVELAND CHEMICAL ASSOCIATION

www.clevelandchemicalassociation.com

Monthly Luncheon Meetings

A message from Jim Lipinski, 2016 Chair



A very happy New Year to all and hopes for a healthy, successful 2016!

I recently took a trip down memory lane and realized that I last served as the chair of a rubber group in 1991 (NORG). It is hard to believe that 25 years have gone by so quickly. That year we had around 300 members taking part. Think of all the changes since then. Many of the companies no longer exist and if they do, they may have a different name. A large number of our friends and colleagues have retired.

One thing that is constant, the Ohio Rubber Group will continue meeting and giving technical presentations and working towards providing scholarships to feed the industry with new ideas and workers. We will also continue to have good fellowship at the meetings and social events.

A big ***thank you*** to everyone who made the 2015 year such a success. It could not have happened without the hard work and dedication of the officers, committee chairs, volunteers and all of our generous sponsors.

The first event for 2016 is Winter Technical Meeting on January 26. This year we have planned three technical meetings and two golf outings. (***Please see column to the left for the 2016 event schedule. Presentation details on page 3.***)

If you have time, get involved. We welcome all ideas and suggestions to make the group stronger. Hope to see you at the meetings!



Photos of ORG events will be posted on our website:

www.ohiorubbergroup.org



Find us on
Facebook

2015 Directors

Chair - Jim Lipinski
Harwick Standard Dist. 330-798-6808
lipinskij@harwickstandard.com

Vice-Chair - Tim Samples
Polymeric, Inc. 330-609-2724
tim@polymeric.com

Treasurer - Peter Glasser
HF Mixing Group 330-324-3842
pglasser@farrel.com

Secretary - Mike McDonnell
Alttran, Inc. 330-650-2223
mmcdonnell@alttran.com

Councilor - Ernie Puskas
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epuskas@littlern.com

Alt. Councilor - Denise Kotz
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330-929-6926 denise.kotz@dupont.com

Area Director - Andrew L. Tisler
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440-318-488
andrew.tisler@omnova.com

Alt. Area Director - Doug Ruch
R.E. Carroll, Inc. 609-658-2417
dougr@recarroll.com

2016 Committee Chairs

Program - Tina Darnell
UTC Aerospace Sys. 330-374-2657
Tina.darnell@utas.utc.com

Membership - Chris Boyher
Hallstar 314-308-9323
cboyher@hallstar.com

Scholarship/Education - Joel Neilsen
Sid Richardson Carbon & Energy Co.
330-666-2777 jgneilsen@sidrich.com

June Golf Outing - Doug Ruch
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dougr@recarroll.com

June Golf Outing - Jason Huff
ChemRep, Inc. 513-570-1170
jason@chemrep.com

August Golf Outing - Greg Sibley and Kevin Geron
Intertex 330-665-5533
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kevin@intertexworld.com

Publicity - Thomas McGee
419-289-6339 ncem046@yahoo.com

Web Master - Denise Kotz
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330-929-6926 denise.kotz@dupont.com

Historian/Raffle - Shelby Washko
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shelbywashko@frontier.com

Newsletter/Rec.Secy - Mary Puskas
Ohio Rubber Group 330-283-0845
mpuskas@littlern.com

2016 Hospitality Sponsors

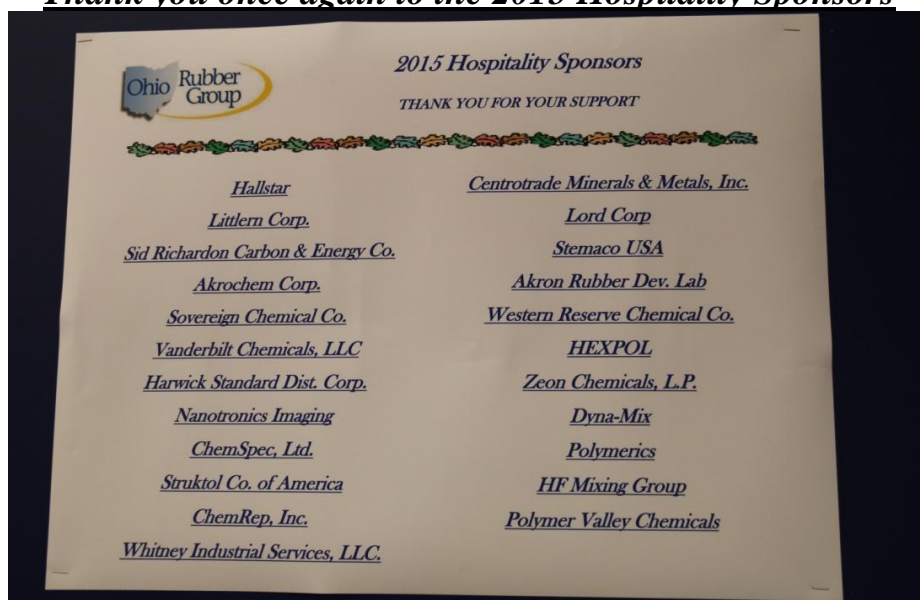
Please consider a contribution to the 2016 Technical Meeting Social Hours. As a Hospitality Sponsor your company will be recognized in the newsletters, on the website and at the meetings (Spring 2016, Fall 2016 and Winter 2017).

The social hour is an important adjunct to the technical meetings and is possible only through the generosity of our Hospitality Sponsors.

A yearly donation of \$250 is suggested; any amount is appreciated.

Please send to: Ohio Rubber Group, PO Box 341, Bath, Ohio 44210

Thank you once again to the 2015 Hospitality Sponsors



Thank you HEXPOL for the very generous donation of a computer

RUBBER DIVISION EDUCATIONAL COURSES

Contact Christie Robinson, MEd, Education and Publications Manager, at crobinson@rubber.org for more information.

Molding of Rubber

March 7, 2016; Concord, NC

Introduction to Compounding, Testing & Mixing of Elastomers

March 15-16, 2016; Akron, OH

March 17, 2016 Tours; Akron, OH & Hudson, OH

Intermediate to Advanced Compounding and Testing of Rubber

April 4-6, 2016; Akron, OH

April 7, 2016 Tours; Akron, OH & Cuyahoga Falls, OH

Introduction to Rubber Technology for Non-Technologists

April 14, 2016; Fort Wayne, IN

Schedule

4:00 – Dinner Ticket/Membership Sales

4:30 – Technical Presentations

please turn off cell phones

6:00 – Social Hour

7:00 – Dinner (Reserve by 1/24/16)

Ohio Rubber Group Winter Technical Meeting Tuesday, January 26, 2016

Hilton Garden Inn, 330-405-4488
8971 Wilcox Drive, Twinsburg, Ohio

Technical Presentations (no charge)

*****Please turn off cell phones during the presentations*****

“Advances in Rubber Mixes Using High Performance Fillers”

Anthony Mariniello, Product Specialist & Northeast Territory Technical Sales Manager, ChemSpec Ltd.

Mineral fillers play a very important role in rubber processing. The use of fillers can provide reinforcing qualities, increased durability and improved performance. The type of filler used can have a significant impact on the rubber mixing and molding process. Over the years, the use of Neuburg siliceous earth as a high performance filler in rubber formulas has become an advantage for a number of rubber mixing formulations. High filler loadings can be achieved, with resulting good rheology due to the ease of dispersion. The siliceous earth filler can be often be incorporated as either a replacement for current filler, or as a synergist with the current filler. This presentation will review the properties of Neuburg siliceous earth and recent advances in how it performs in several different types of rubber mixes.

“An Overview of Non-black Fillers Used in the Rubber Industry” - Part I

Walter Lackey, Technical Services Mgr., Lintech International

This overview of non-black fillers used in rubber compounding is meant to be more than a two-part presentation on fillers. It is a reference guide that can be referred to time and again for pertinent information concerning fillers and their use in rubber compounds. Part I explores the importance of particle morphology, physical characteristics, and surface treatment benefits of various types of fillers. It compares/contrasts filler types and provides guidance on applications.

Part II (to be presented at ORG Spring Tech Mtg) is an extension of Part I. But it goes a step further providing a deeper understanding of the structure, characteristics and attributes of each type of filler. Showing SEM's of particle morphology, unique features, synergistic blending of fillers for performance and the importance of particle packing. The take-a-way for the rubber compounder will be a better understanding of identifying a filler and/or filler package to meet/exceed compounded performance.

“EPDM Replacing NR”

Pete Spanos, Technical Manager, Lanxess Corporation, USA

As shown in previous publications, ultra-high molecular weight EPDM (ultra-EPDM) elastomers can be used as effective replacements for natural rubber (NR) while additionally offering heat and ozone resistance, as well as processing advantages.

Continued development efforts have yielded formulating techniques which improve fatigue resistance. Demonstrations of crack propagation improvements by incorporating small amounts of diene polymers are shown. Additionally, compound modifications to achieve both low damping and high fatigue resistance are explained.

NR degrades quickly at elevated temperatures, but ultra-high molecular weight EPDM can be used for applications requiring high resilience, and crack resistance. Elastomeric options for noise and vibration attenuation have expanded.

2016 Winter Meeting - DINNER RESERVATIONS - Reserve by January 24, 2016

Advanced Reservation - \$35.00 each ****Without prior reservation - \$40.00 each

Do you wish to donate to the student support fund? \$_____

Reserve____ tickets (pick up at door) 1) Pay at Door OR 2) Payment Enclosed \$_____ (Cash, Check, Credit)

Credit Card #_____ Exp. Date_____ Code_____

Name_____ Company_____

E-mail reservations to mpuskas@littlern.com OR mail to Ohio Rubber Group, PO Box 341, Bath, OH 44210



MEMBERSHIP RENEWAL TIME!

It's a new year and that means it's time to renew your membership for 2016

Please use the form below OR on the website at www.ohiorubbergroup.org

Still only \$25 – Join today – Don't miss anything!

2016 OHIO RUBBER GROUP MEMBERSHIP APPLICATION

A SUBDIVISION OF THE RUBBER DIVISION OF THE AMERICAN CHEMICAL SOCIETY

DATE: _____

NAME: _____ TITLE: _____

EMAIL ADDRESS: _____

COMPANY: _____

MAILING ADDRESS: _____

CITY, STATE, ZIP: _____

PHONE: _____ FAX: _____

Membership fee: **\$25** Contribution to Scholarship Endowment Fund: \$ _____ Total \$ _____

Payment (circle one): Cash Check (US dollars/US Bank) Visa MasterCard Discover AMEX

Card # _____ Exp. Date _____

EMERITUS/LIFE MEMBERS: No renewal necessary but please use this form for any mailing or email changes

Return application w/payment to: **OHIO RUBBER GROUP PO BOX 341 BATH, OHIO 44210**

MEMBER SURVEY
PLEASE COMPLETE
Are you a member of:
(Circle Answer)

American Chemical Society

Yes No

Rubber Division, ACS

Yes No

Work on a committee

Yes No



FALL TECHNICAL MEETING 9/29/15

Program Chair Tina Darnell arranged a very popular, well-attended, program for the fall tech meeting. Many thanks to the presenters:



“Optimization of the Mixer and Mixing Process – Footprinting”

Peter Glasser, Regional Sales Manager, HF Mixing Group, Farrel Corp.



“Chemical Blending for Improved Mixing Performance”

Nicki Hershberger, Technical Director, Polymeric, Inc.



Hybrid Tangential Rotor for High Silica Mixing”

**Yasuhiro Kameda, Process Development Engineer,
Kobelco, Stewart, Bolling, Inc**

