

Silicone Elastomers

2009

Third International Conference

7-8 October 2009,
Hamburg, Germany

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Silicone Elastomers 2009

The Third International Conference

iSmithers, the information business within Smithers Rapra, is pleased to announce its third international **Silicone Elastomers 2009** conference. This event offers a fantastic opportunity for material and compound manufacturers, processors, designers, specifiers and researchers to get together, network and debate.

With characteristics such as good thermal and chemical stability, good electrical resistance and high biocompatibility through a very wide temperature range, it is no surprise that silicone rubber is a valued elastomer. Its applications have previously been limited to places where these properties are mandatory due to its high market value. However, as new products increasingly demand materials with high temperature and environmental resistance, money continues to be invested in developing silicone elastomer materials, compounding ingredients, processing technologies and applications.

Silicone Elastomers 2009 brings together material manufacturers, processors and academics to provide insight into silicone elastomer materials, applications, testing, additives, fillers and processing. Major material manufacturers such as Dow Corning, Momentive Performance Materials and Bluestar Silicones will talk on silicone elastomer materials and applications. Academics will look at future market trends and new developments in materials such as liquid fluorosilicone rubber, transparent grades, formulation of two-part systems, silicone-urea copolymers, and epoxy silicone blends. Medical and healthcare applications, together with testing migration and antimicrobial performance, and the use of microbial inhibitor are also included in this comprehensive conference programme. Developments in fillers, such as carbon nanotubes, fumed silica, quartz, feldspar and siliceous earth are all topics covered, and the following processing developments are featured; mixing, straining and extrusion, adhesive bonding and LSR moulding and tooling.

Conference Venue

Marriott Hamburg
ABC Strasse 52
20354 Hamburg
Germany
Tel: 0049 40 3505 1700

Located in the city centre, this central Hamburg hotel is near the train station - within walking distance of shops, restaurants, art galleries, and vibrant attractions.

Conference Location

Enjoy the allure of one of Germany's most cosmopolitan cities. Hamburg is a charming European seaport that attracts both business and leisure travelers. With its flair and its maritime charms Hamburg counts amongst the most beautiful cities in Germany. To its guests the "Gateway to World" - as the seaport on the Elbe River is also frequently called - offers pure city life with singular shopping, culture but also nature experiences.

Hotel Reservations

Please send reservation enquiries to Sharon Garington, Conference Organiser, and email: **conferences@ismithers.net**. A booking form will be sent with your joining instructions on receipt of your completed registration form.

Sponsorship & Exhibition Opportunities

A limited number of high profile, cost effective sponsorship opportunities are available to advertise your company at this important event. To receive further information please contact Gemma Robinson at **grobinson@ismithers.net**, Tel: +44 (0) 1939 250383, Fax +44 (0) 1939 252416

On-site publicity can include:

Tabletop exhibition is a free stand in the networking area of the conference and includes a free delegate place for €2000 + VAT at 19%

Wallet service costs €750 + VAT at 19% enables a company to include a corporate message (e.g. pen/leaflet)

Conference Language Please note that the conference will be conducted in English.



*World Leading Independent Polymer
Research, Technology
and Information*

Smithers Rapra has provided a world leading portfolio of Rubber, Plastic and other Polymer Information products and services for 85 years. To improve the delivery and range of products a new business was formed in July 2008 called iSmithers.

iSmithers, working alongside Smithers Rapra and still part of the Smithers group, has expanded its service offering to cover other business areas and industries harnessing the expertise of the iSmithers management team and the knowledge from other companies within the group.

Wednesday 7 October

- 08.30 REGISTRATION AND COFFEE
09.25 Welcome to Silicone Elastomers 2009

Session 1: Market trends for silicone elastomers

- 09.30 Silicone elastomers – solutions for the future
Dr Hans Peter Wolf & E Gerlach, Dow Corning GmbH, Germany

Session 2: Silicone elastomer materials

- 10.00 Fluoro liquid silicone rubber – highest performance and efficiency
Fabien Virlogeux, H P Wolf & E Gerlach, Dow Corning GmbH, Germany
- 10.30 Silicone elastomers – clear as glass
Dip-Ing Oliver Franssen & H Bayerl, Momentive Performance Materials GmbH, Germany
- 11.00 COFFEE
- 11.30 Formulation of two-part elastomer systems: From theory to practice
Delphine Blanc, Bluestar Silicones, France
- 12.00 Contribution of soft segment entanglements on thermomechanical properties of silicone-urea copolymers
Iskender Yiglor, T Eynur, M Bakan & E Yilgor, Koc University, Turkey
- 12.30 Mechanical and thermal properties of epoxy silicone blends synthesized in supercritical carbon dioxide
M G H Zaidi, A Tiwari, T Agarwal, V Kumar & P L Sah, G B Pant University, India & S Alam, Defense Material Stores Research & Development Establishment, India
- 13.00 LUNCH

Session 3: Applications for silicone elastomers

- 14.15 Advances in silicone elastomers for healthcare applications
Burkhard Ledig, Momentive Performance Materials GmbH, Germany
- 14.45 Silicone elastomers in medical applications: Recent developments
Dr Andre Colas & X Thomas, Dow Corning SA, Belgium & France
- 15.15 COFFEE

Session 4: Testing silicone elastomers

- 15.45 Determination of the overall migration from silicone elastomers into stimulants and foodstuffs using H-NMR techniques
Prof Dr Thomas Simat, Dresden University of Technology, Germany & R Helling, Saxon Institute for Public and Veterinary Health, Germany
- 16.15 Claim and benefit-based approaches for assessing the antimicrobial performance for silicone elastomer formulations
Peter D Askew, Industrial Microbiological Services Ltd (IMSL), UK
- 16.45 CLOSE OF DAY ONE
18.30 DRINKS RECEPTION

Thursday 8 October

- 08.30 COFFEE

Session 5: Additives for silicone elastomers

- 09.00 Microbial biofilm inhibitor for silicone elastomers
Svoboda Tabakova & V Mircheva, Bulgarian Academy of Sciences, Bulgaria
- 09.30 TO BE CONFIRMED

Session 6: Fillers for silicone elastomers

- 10.00 Silicones and carbon nanotubes – from antistatic to fire barrier and fouling release coatings
Dr Michel Mahy, Nanocyl SA, Belgium
- 10.30 COFFEE
- 11.00 Fumed silica – more than just a powder
Mario Scholz, Evonik Degussa GmbH, Germany
- 11.30 Fillers for silicone elastomers – non-silica alternatives
Thomas Doege, Quarzwerke GmbH, Germany
- 12.00 Collapse resistant extrusions and more with neuburg siliceous earth in peroxide cured high consistency silicone rubber
Hubert Oggermueller & N Westhaus, Hoffmann Mineral GmbH & Co KG, Germany
- 12.30 LUNCH

Session 7: Processing silicone elastomers

- 13.45 Recent advances in bonding agents for silicone elastomers
Patrick Warren, LORD Corporation, USA
- 14.15 Recent advances in silicone mixing and extrusion processing
Dr Ubaldo Colombo, Colmec SpA, Italy
- 14.45 COFFEE
- 15.15 Fine mesh straining and extrusion applications with gear pump systems for silicone elastomers
Winfried Trost & H Hain, Uth GmbH, Germany
- 15.45 LSR tooling at its best, what are the main factors for efficient and economic production?
Kurt Manigatter, Elmet GmbH, Austria
- 16.15 END OF CONFERENCE

Please note: The conference organisers reserve the right to change or modify the programme if necessary.

