

# RubberWorld

THE TECHNICAL SERVICE MAGAZINE FOR THE RUBBER INDUSTRY VOLUME 243, No. 1

## Rubber Division meets in Milwaukee for 178th Technical Meeting and Rubber Expo

**The use of melt strength enhancers to achieve lower density foams**

**A new low-density flexible molded MDI-based foam system**

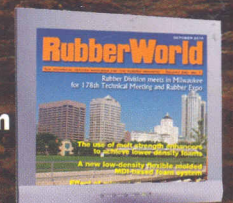
**Effect of mineral oil on properties of SBR-organoclay nanocomposites**



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## FEATURES

### 20 Tech Service: Sealing with polyurethanes

by Jurgen Hieber, Merkel Freudenberg Fluidtechnic. Thermoplastic polyurethanes are used wherever high stability, high abrasion resistance and high extrusion resistance are demanded.

### 24 Process Machinery: Twin filler dosing system for hot cast elastomers

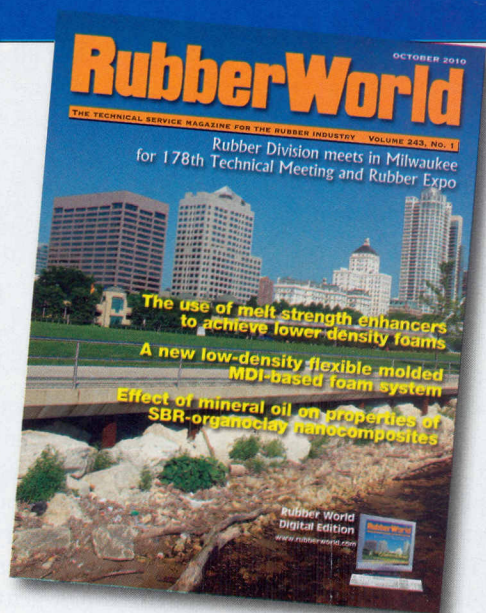
by Christian Decker and Bjoern Dormann, Desma. A multistream mixing head features a unique twin filler dosing system for hot cast elastomers.

### 28 Melt strength enhancers for lower density foams

by Elizabeth Grimes, Arkema, and Sandra Keeley, Addisperse. Effects of increased levels of an acrylic melt strength enhancer on the free foamed extrusion properties of poly lactic acid are demonstrated.

### 32 Low-density flexible molded MDI-based foam

by David Fair and Ulrich Holeschovsky, BayOne Urethane Systems. A low density flexible molded foam system meets demands for lower density while maintaining foam properties at high levels.



### 35 Effect of mineral oil on nanocomposites

by Sugata Chakraborty, Saptarshi Kar, Saikat Dasgupta and Rabindra Mukhopadhyay, HASETRI; Narendra P.S. Chauhan and Suresh C. Ameta, Mohanlal Sukhadia University; and Samar Bandyopadhyay, J.K. Tyre. This study evaluates the effect of the addition of mineral oil on the morphology of the organo-clay nanocomposites.

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