

# RubberWorld

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## 2009

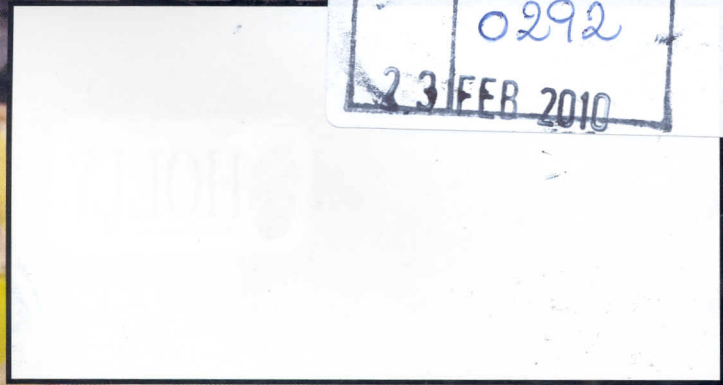
## Chemicals and Materials

**High/very high molecular weight EPDM with 5-vinyl-2-norbornene as third monomer**

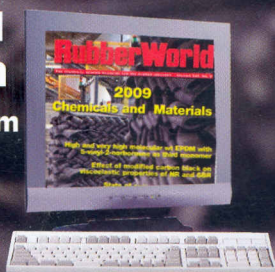
**Effect of modified carbon black on viscoelastic properties of NR and SBR**

**State of cure measurements in peroxide and sulfur cured EPDM**

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## FEATURES

### 10 Tech Service: An ecological plasticizer for NBR

by *Melanie Wiedemeier, Lanxess*. Mesamoll plasticizer is said to be the ideal alternative to DEHP in NBR applications.

### 12 Process Machinery: Automatic wall thickness centering

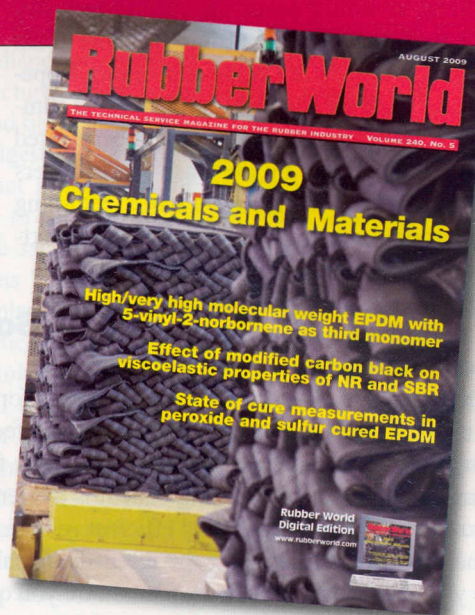
by *Frank Reineke, Troester GmbH*. This system helps raise product quality of rubber hose by a reliable online process that minimizes waste.

### 13 High/very high molecular weight EPDMs

by *Michiel Dees, Martin van Duin, Chris Twigg and Herman Dikland, DSM Elastomers*. Keltan ACE technology enables the production of high molecular weight EPDM polymers with high levels of VNB incorporated in an economical manner.

### 25 Measuring state of cure

by *Richard J. Pazur and F.J. Walker, Freudenberg-NOK General Partnership*. The authors review the current methods used for measuring the state of cure in finished peroxide and sulfur cured EPDM rubber products.



Cover photo: Courtesy of AirBoss of America.

### 35 Effect of modified CB on NR and SBR

by *Abhijit Adhikary, L&T e-Engineering Solution; Pranab Kumar Sengupta, University of Calcutta; and Rabindra Mukhopadhyay, Hari Shankar Singhania Elastomer & Tyre Research Institute*. It is observed that the viscoelastic properties of green compound and vulcanizate depend on how effectively the modified blacks are held by the rubber matrix.

## DEPARTMENTS

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## Digital Edition Content

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