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**Processing made easy with innovative  
low-viscosity HNBR polymers**

**Formulation suggestions for  
replacing DOTG in AEM compounds**

**Talc - the solution to  
challenges in automotive**



Rubber Expo  
information  
on page 38



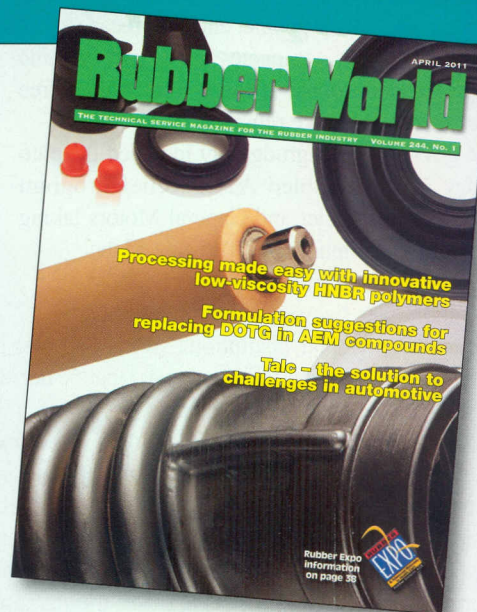
## FEATURES

### 16 Formulation suggestions for replacing DOTG in AEM compounds

by Edward McBride, Klaus Kammerer and Laurent Lefebvre, DuPont. There is a trend to replace DOTG (diorthotolyl guanidine) in some AEM (ethylene acrylic elastomer) compounds. The timing for this replacement will be different in different regions. In this study, a combination of using lower black levels, a less volatile plasticizer and an AEM Ultra IP gave compression set results that were better than the control.

### 22 Processing made easy with innovative low-viscosity HNBR polymers

by Mark Jones and Andy Anderson, Zeon Chemicals. Real world applications demonstrate that Zetpol HNBR polymers provide a number of benefits, particularly in improved processing, while maintaining physical properties similar to current HNBR polymers. Improvements in other areas of product performance may also be achieved. Whether through blending with standard HNBR grades or used as the sole polymer, these new polymers are said to fill a variety of needs for improved processing HNBR polymers.



Cover photo courtesy of Zeon Chemicals L.P.

### 28 Talc - the solution to challenges in automotive

by Oscar F. Noel III and Dr. Gilles Meli, Rio Tinto Minerals/Luzenac. Supporting evidence is provided for the use of talc in rubber compounds to meet the demanding requirements for the automotive market of today and in the future.

## DEPARTMENTS

- 4 Editorial
- 6 Business Briefs
- 10 Market Focus
- 12 Silicone/Medical Update
- 14 Patent News
- 36 Meetings
- 42 Suppliers Showcase
- 46 People in the News
- 47 Literature

## Digital Edition Content

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