



Rubber Expo
Information
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Structure-property analysis of unfilled IR
vulcanizates characterized by mechanical
and rheological measurements
Polyepichlorohydrin compounds for
service in ethanol fuel applications
The white carbon footprint

THE TECHNICAL SERVICE MAGAZINE FOR THE RUBBER INDUSTRY VOLUME 244, No. 6

RubberWorld

SEPTEMBER 2011

FEATURES

18 Tech Service: Silencing tire noise

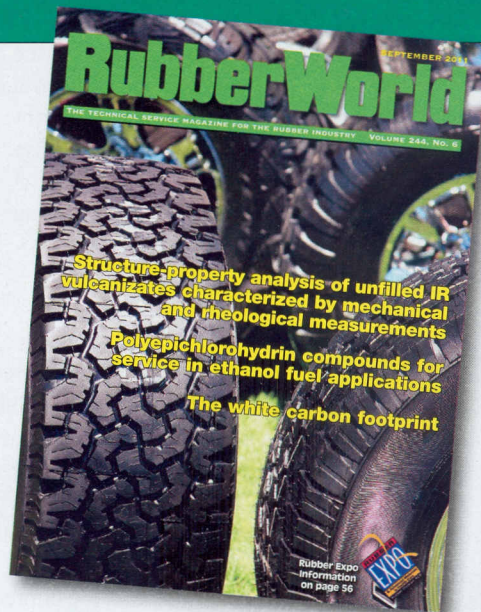
by Karl C. Schmidt and Ramendra Nath Majumdar, consultants. TireSilencer foam rings can be inserted inside commercially available tires, resulting in less noise inside the vehicle.

21 Improvements in tire productivity with performance silicas

by Timothy A. Okel, PPG Industries. Agilon performance silica makes use of a combination of a core precipitated silica particle with a significant organic surface to enable development of filler-filler and polymer-filler interaction within hydrocarbon polymer based compounds.

30 Carbon black intra-aggregate void volume from compression measurements

by George A. Joyce and William M. Henry, Columbian Chemicals, and Anthony W. Thornton and John C. Hodgin, Micromeritics Instrument. Complications with uniaxial compression of powders in a cylinder due to sample-wall friction are examined, and an analysis technique that isolates effects of wall friction is presented.



41 Resorcinol resins promote bonding of rubber to metal

by Terry D. Dee, Mike Walkup and Dave McNaughton, Indspec Chemical. Use of resorcinol and resorcinol formaldehyde (RF) resins in both dipping and dry bonding applications for adhesion promotion of rubber compounds to metal and textile reinforcements is described.

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