

RubberWorld

THE TECHNICAL SERVICE MAGAZINE FOR THE RUBBER INDUSTRY VOLUME 243, No. 5

Effect of modified carbon black on NR and SBR based vulcanizate properties

Influence of higher mixing temperature on Sulfron 3001 modified tread compounds

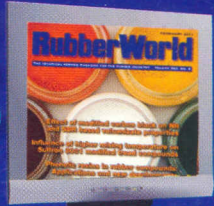
Phenolic resins in rubber compounds: Applications and new developments

019/14265
 000794
 00000
 137
 0001880737
 20

#BXNVSDB *****CAR-RT LQT**B-083
 #RUB086545G 8# QR1104 1006UF
 ID #2530
 TAICHUNG TRADE DATA
 LIBRARY
 PO BOX 630603
 BIRMINGHAM AL 35263-0603

|||||

Rubber World
Digital Edition
www.rubberworld.com



FEATURES

13 Tech Service: Selection, use of water-based dispersions in latex

by Jim Finn, Akron Dispersions. Dispersions may well represent the key element in a successful latex compounding and processing effort.

15 Effect of carbon black on NR and SBR based vulcanizate properties

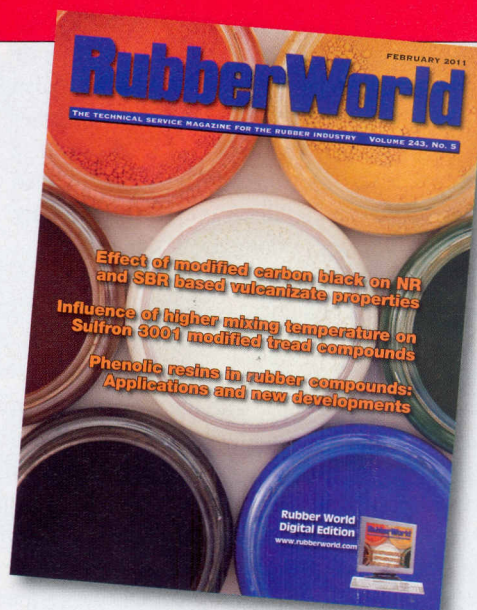
by Abhijit Adhikary, Larsen & Toubro, and Pranab Kumar Sengupta, University of Calcutta. Modified carbon black shows good potential to eliminate carcinogenic aromatic oils in the NR and SBR based compounds studied.

24 Influence of higher mixing temperatures on Sulfron 3001 modified tire tread compounds

by Nitya N. Kunti and Arup K. Chandra, Apollo Tires. Tire tread compounds having a comparatively higher mixing temperature of 160°C have more significant effects in terms of reduction of rolling resistance, reduction of heat build-up, improvement of abrasion resistance, etc.

28 Phenolic resins in rubber compounds

by Alfred W. Blum, Chemintertech Associates. Applications and new developments for phenolic resins in rubber compounds are reviewed by the author, who concludes by urging today's researchers to develop more environmentally-friendly products.



DEPARTMENTS

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

Digital Edition Content

See the February digital edition of Rubber World for additional content not found in the print edition

- More U.S. patents
- Expanded business news
- Expanded equipment information
- Expanded instrumentation information
- Expanded materials information
- Expanded literature selection

Visit: rubberworld.com