

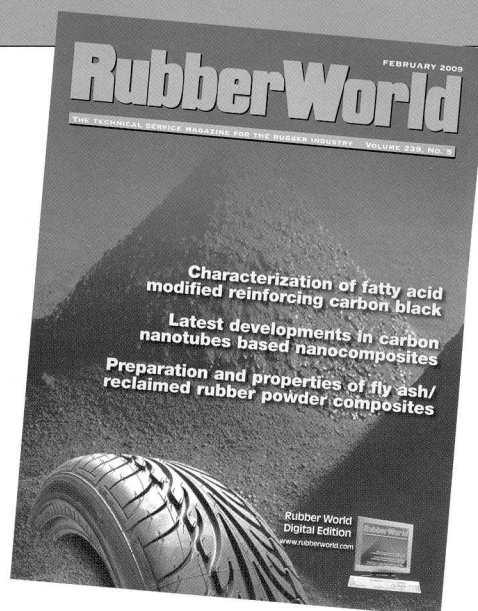
FEATURES

- 12 Tech Service: Molding liquid silicone rubber**
by Dan Laur and Mike Agodoa, Laur Silicone. A simple LSR molding system is reported to work well for short production runs or large parts.

- 13 Process Machinery: Rotor design - part 1**
by Richard J. Jorkasky, II, Kobelco Stewart Bolling. Advanced design of the four-wing N rotor improves rubber mixing, including Mooney viscosity, batch temperature, and intra- and inter-batch temperature consistency.

- 16 Fly ash/reclaimed rubber powder composites**
by Weili Wu, Qiqihar University, China. Fly ash combined with a coupling agent is utilized as a filler to reinforce reclaimed rubber powder composites.

- 20 Fatty acid modified reinforcing carbon black**
by Abhijit Adhikary, L&T e-Engineering Solution, Pranab K. Sengupta, University of Calcutta, and Rabindra Mukhopadhyay, Hasetri. A simple laboratory technique can be used to attach a fatty acid by-product to the surface of carbon black to give an environmentally friendly modified black.



Cover photo: Courtesy of Zeppelin Systems USA.

- 28 Developments in carbon nanotubes based nanocomposites**
by Michael Claes, Geraldine Dupin and Frederic Luizi, Nanocyl SA. Carbon nanotubes from the latest technologies exhibit processability and impart unique properties to various polymers.

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