

FEATURES

14 Tech Service: FKM micropowder effects on fuel vapor permeation

by James A. Shell, FRS. Effects of fluoroelastomer materials on fuel vapor permeation using ethanol-containing fluids are studied.

19 Process Machinery: Gear pumps

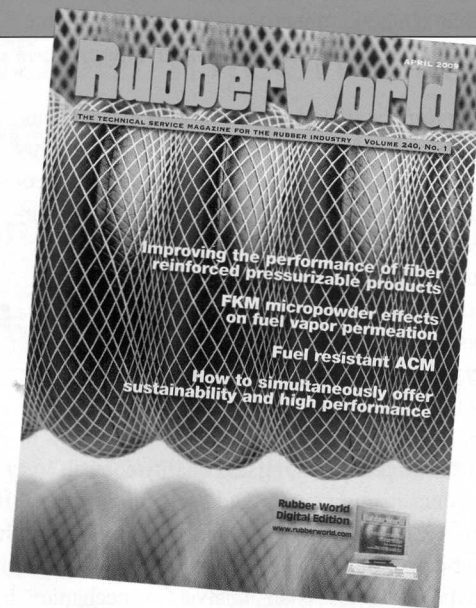
by Bill Murphy, Maag Pump Systems Textron. Benefits of gear pumps for use in extrusion and compounding lines are reviewed.

23 Improving performance of fiber reinforced pressurizable products

by J.C. Raterink and S.M. Nooij, Taniq, and S. Koussios, Delft University of Technology. A three-parameter-based design procedure for various applications is explained.

27 Fuel resistant ACM

by Joshua R. Kelley, Paul E. Manley and David D. Tao, Zeon Chemicals. Unique properties of a fuel resistant high-temperature polyacrylate elastomer used separately and in blend combinations are examined.



Cover photo: Courtesy of Taniq.

36 Simultaneously offer sustainability, high performance

by René-Paul Eustache, Guillaume Lé, David Silagy and Frédéric L.G. Malet, Arkema. Pebax Rnew thermoplastic elastomers are made from renewable resources that do not compromise its outstanding physical properties.

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