

RubberWorld

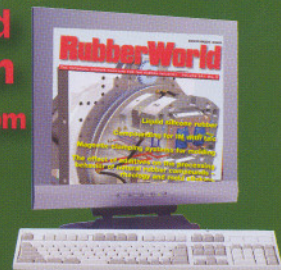
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**Liquid silicone rubber
Compounding for IM with talc
Magnetic clamping systems for molding
The effect of additives on the processing
behavior of natural rubber compounds –
rheology and mold sticking**

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FEATURES

15 Process Machinery: Magnetic clamping systems for rubber molding

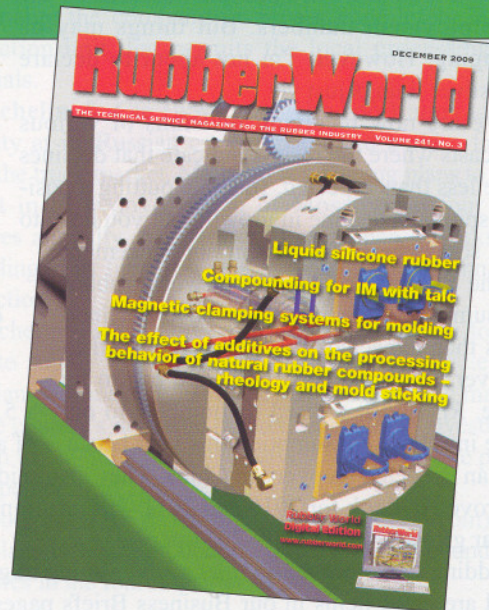
by David L. Fischer, Hilma Division of Carr Lane Roemheld Mfg. Properly designed magnetic clamping systems provide quicker mold changes while handling the elevated temperatures required for rubber molding.

18 Effect of additives on processing behavior of NR compounds

by Martyn Bennett, Artis. Common process aids and how they influence the flow behavior and the molding behavior of the rubber compound against a range of metal surfaces are examined.

23 Compounding for injection molding with talc

by Oscar Noel and Gilles Meli, Rio Tinto Minerals/Luzenac. Talc provides the rubber chemist with flexibility to balance the benefits of improved processability with product performance. In injection molding applications for thermoset rubber, talc lowers compound viscosity and improves mold flow.



Cover photo: Courtesy of Engel.

29 Liquid silicone rubber

by Bernie Stritzke, MedPlast. The author describes the liquid silicone rubber fluid delivery system, press injection units, tooling, materials and two-shot molding.

35 Molding suppliers directory

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