



255 Fountain Street Akron, Ohio 44304-1991  
 330-535-2100 ♦ 800-321-2260 ♦ Fax 330-535-8947

## MAGNESIA PRODUCTS

# AKROCHEM<sup>®</sup> LIGHT MAGNESIUM CARBONATE

### DESCRIPTION:

Magnesium Carbonate is produced as flat platelets of  $3.2 \text{ MgCO}_3 \cdot \text{Mg(OH)}_2 \cdot 3.2 \text{ H}_2\text{O}$ . This particular grade is considered one of low moisture. Magnesium Carbonate can be used as a filler in rubber bands, rubber thread, and for any application where a translucent compound is required. The recommended level of loading is from 5 to 40 parts on the rubber hydrocarbon. Generally, as the loading is increased, the modulus will also increase. Provides reasonably good reinforcement with minimal reduction in rebound and “snap”. In flame resistant applications,  $\text{MgCO}_3$  has been shown to produce more char than ATH or  $\text{Mg(OH)}_2$ . Magnesium carbonate will reinforce more than ATH and  $\text{Mg(OH)}_2$  and as a result will raise compound viscosity more. Excellent filler to reduce smoke due to water and  $\text{CO}_2$  release during a fire.

### TYPICAL CHEMICAL PROPERTIES:

Assay (MgO).....	42.5%
Calcium Oxide .....	0.30%
Chloride .....	<0.07%
$\text{Fe}_2\text{O}_3$ .....	<0.05%

### TYPICAL PHYSICAL PROPERTIES:

Color .....	white
Screen Analysis, through 325 mesh screen .....	98.0%
Moisture .....	2.0%

sb 12/04  
t-mag carb