



# MAGNESIA PRODUCTS

3770 Embassy Parkway, Akron, Ohio 44333  
330-535-2100 ♦ 800-321-2260 ♦ Fax 330-535-8947

## AKROCHEM® LIGHT MAGNESIUM CARBONATE

### DESCRIPTION:

Magnesium carbonate ( $MgCO_3$ ) is an effective raw material finding use in many applications. In rubber, magnesium carbonate can be used as an extender 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 polymer. Generally, as the loading is increased, the modulus will also increase.  $MgCO_3$  provides reasonably good reinforcement with minimal reduction in rebound and resilience. In flame resistant applications,  $MgCO_3$  has been shown to produce more char than ATH or  $Mg(OH)_2$ . Magnesium Carbonate will reinforce more than ATH and  $Mg(OH)_2$  and as a result will raise compound viscosity proportionally. It is an excellent compounding agent to reduce smoke and flame propagation where the mechanism of action is moisture release and  $CO_2$  emission.

### TYPICAL CHEMICAL PROPERTIES:

Assay (MgO) .....	43.0%
Calcium Oxide .....	0.40%
Soluble salts .....	0.40%
Lead ( $Pb^{++}$ ) .....	1 ppm

### TYPICAL PHYSICAL PROPERTIES AND PACKAGING:

Color/Appearance .....	fine, white powder
Screen Analysis, through 325 mesh screen .....	97.0%
Packaging (bag net weight) .....	33.07 lb. (15 kg)

T-Magnesium Carbonate (64941)  
2/21/2019 TLM

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