

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, 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 more. Excellent filler to reduce smoke due to water and CO_2 release during a fire.

TYPICAL CHEMICAL PROPERTIES:

Assay	
(MgO).....	42.5%
Calcium Oxide	0.30%
Chloride	<0.07%
Fe_2O_3	<0.05%

TYPICAL PHYSICAL PROPERTIES:

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

sb 2/04 t-mag carb