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MAGNESIA PRODUCTS

PLASTOMAG®170

DESCRIPTION:

PLASTOMAG 170 oil dispersed magnesium oxide is ELASTOMAG® 170 MgO powder agglomerated with approximately 35% naphthenic process oil into small glomules, which offer protection against degradation by atmospheric moisture and carbon dioxide. This physical form is free-flowing and essentially dust-free. PLASTOMAG 170 can usually be used as a pound for pound replacement for powdered magnesium oxides.

TYPICAL PROPERTIES:

Composition.	65% ELASTOMAG 170 and 35% Naphthenic Process Oil
Bulk Density	50 lbs./ft ³
Specific Gravity	1.68
Physical Form	Glomules (soft micropellets)
Particle size distribution:	
20 mesh.	5% on
40 mesh.	20% on
40 mesh.	75% through

APPLICATIONS:

The properties of activity and particle size of magnesium oxide are the most important characteristics in determining the final properties of the vulcanized polychloroprene, Hypalon and fluoroelastomers.

The recommended level is 4 phr in polychloroprene formulations or as a direct replacement to the dry magnesium content used in other halogenated elastomeric compounds. The combined effects of the pre-wetted and dispersed magnesia gives a synergistic effect to the dry magnesium oxide in most formulations.

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