



MagShield® S Magnesium Hydroxide Powder in PVC Applications

In PVC wire and cable formulations, MagShield® S Magnesium Hydroxide is as effective in reducing smoke production in the flaming mode as aluminum trihydrate (ATH).

Formulation	
PVC Resin	100
Santicizer711P Plasticizer	40 phr
MagShield® S	30 phr
Calcium Carbonate	20 phr
Lectro 90 Stabilizer	3 phr
Antimony Oxide	3 phr
Stearic Acid	0.5 phr

Compound Properties	
Limiting Oxygen Index	31%
Tensile Strength	2,610 psi
Tensile Modulus	20,330 psi
Elongation	139%
Melt Flow Index	0.90 g / 10 min.

In the PVC formulation above, MagShield® S produces similar results to other metal hydrate systems.

See MagShield® technical data sheets for complete descriptions of our products. If you would like to speak with a technical representative, please call [800-648-7400](tel:800-648-7400) (inside the U.S.) or +1-410-780-5500.

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