

## MAGNAPUR® MGP-P7S COATED PRECIPITATED MAGNESIUM HYDROXIDE

### Typical Characteristics and Properties

Mg(OH) <sub>2</sub> Purity	≥99%
Silane	1-2%
Free Moisture	≤0.25%
Specific Gravity	2.36
Bulk Density	300-500 g/l
BET Surface Area	18 m <sup>2</sup> /g
Particle Size	d50 1.50 μm
Sieve Residue +325 mesh	2.5%
Electrical Conductivity	≤350 μS/cm

Magnapur MGP-P7S is an engineered morphology precipitated silane coated magnesium hydroxide (MDH) of high purity, suitable for a wide range of halogen free thermoplastic and thermosetting polymer compounds. It is particularly suitable for wire and cable applications for jacketing and insulation compounds. In typical halogen free wire and cable compound applications, it is possible to achieve equivalent or increased performance in Limiting Oxygen Index compared to traditional products.

MGP-P7S offers the formulator the ability to develop high quality halogen free compounds with low smoke characteristics, excellent flame retardancy and low toxicity. In addition, it exhibits high thermal stability up to 330°C and hence will work for a wide product range of polymers and process temperatures.

**APPLICATIONS:** Suitable for use in flexible and rigid PVC, Polyolefins, EVA, EEA, EBA, EPR, SBR, Latexes, Urethanes, Unsaturated Polyesters, Epoxies and many other systems.

**HEALTH AND SAFETY:** Refer to the Safety Data Sheet

**PACKAGING:** Standard packaging is 25kg (55.11 lbs)

For further guidance it is recommended that customers contact [matsolutions@rjmarshall.com](mailto:matsolutions@rjmarshall.com) to discuss their specific recipes.

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