

MAGNAPUR® MGP-P7SN

COATED PRECIPITATED MAGNESIUM HYDROXIDE

Typical Characteristics and Properties

Mg(OH) ₂ Purity	≥99%
Silane and Dispersing Agent Content	1-2%
Free Moisture	≤0.25%
Specific Gravity	2.36
Bulk Density	400-600 g/l
BET Surface Area	18 m ² /g
Particle Size	d ₅₀ 1.50 μm
Sieve Residue +325 mesh	0%
Electrical Conductivity	≤350 μS/cm

Magnapur MGP-P7SN is an engineered morphology precipitated silane coated magnesium hydroxide (MDH) of high purity with an added dispersing agent for improved processability. This product is 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-P7SN 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 to discuss their specific recipes.

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