

Technical Data Sheet

PS

Magnesium Oxide -Technical Grade

For the production of high purity magnesium compounds.

PS is ideal as a raw material where low reactivity and high purity is required.

Chemical Analysis

Magnesium Oxide as MgO (by difference)
Calcium as CaO
Silicone as SiO₂
Iron as Fe₂O₃
Sulphates as SO₄
Chlorides as Cl
Loss on Ignition (900° C)

Specification

98.0% min
1.00% max
0.10% max
0.04% max
0.50% max
0.25% max
2.0% max

Typical Value

99.0%
0.70%
0.03%
0.02%
0.20%
0.15%
0.5%

Physical Properties

Tapped Density (10 taps)
BET Surface area
Particle size:
Residue on 100 mesh (wet sieve)
Residue on 325 mesh (wet sieve)

Specification

15.0 m²/g max
10.0% max
35.0% max

Typical Value

0.60 g/cc
8.0 m²/g
5.0%
30.0%

Appearance and description: Fine white powder, almost insoluble in water.
Insoluble in alcohol. Dissolves in dilute mineral acids. (Caution! Exothermic reaction!)

Packaging and storage: Net 25 kg in heavy duty paper valve bags with coated barrier ply, big bags of 750kg. Store in original packaging, in a dry, ventilated space.

Shelf-life under suitable storage conditions: 24 months from date of manufacture.
Customer-tailored specifications and other packaging modes are available.

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