

Technical Data Sheet



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Magnesium oxide

Product Identification

Product name : Magnesium oxide
Chemical Formula : MgO
CAS No. : 1309-48-4

Physical and Chemical Properties

Property	Value / Description
Purity	Mg 53% min
Physical State	Solid
Color	White
Density	~ 3.58 g/cm ³
Melting Point	2800 °C
Boiling Point	3600 °C
Solubility in Water	Practically insoluble
Electrical Properties	Electrical insulator, high resistance
Stability	Stable under normal conditions, hygroscopic
Reactivity	Reacts with acids, CO ₂ ; forms Mg(OH) ₂ with water

Applications

Refractory linings, ceramics, insulation material, magnesium source, catalyst, antacid, laxative, protective coating in metallurgy, filler in rubber and plastics, heat dissipation material, electrical insulator, agricultural lime, wastewater treatment

Packing

20kg net in sealed containers

Shipping Regulations

Not subject to transport regulations

Safety Information

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

***The information provided herein is for reference purposes only, and the user is responsible for determining the suitability of the product for their specific application.