High Purity Magnesia for Chemical Applications

KP

Magnesium Oxide - Technical Grade

For the production of high purity magnesium compounds. KP is ideal as a raw material where low reactivity and high purity are required.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO (ignited basis)	97% min	98.5%
Calcium as CaO	1.0% max.	0.7%
Iron as Fe_2O_3	0.1% max.	0.03%
Silicon as SiO_2	0.1% max	0.03%
Chloride as Cl	0.7% max.	0.5%
Sulphate as SO_4	1.0% max.	0.5%
Loss on ignition (900° C)	2.0% max.	0.5%

Physical Properties	Specification	Typical Value
Bulk density (tapped):	0.40– 0.75	0.60 g/cc
Particle size:		
Residue on 100 mesh	10% max	5%
Residue on 325 mesh	35% max	30%

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 bag with coated barrier ply, or big bags of 950 kg. Store in original packaging in a dry, ventilated space. Shelf-life under suitable storage conditions: 2 years from date of manufacture.

Custom-tailored specifications and other packaging modes are available

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ICL INDUSTRIAL PRODUCTS
DEAD SEA PERICLASE
P.O. Box 180, Beer-Sheva, 84101, Israel
Tel: +972-8-6297519 Fax: +972-8-6297530
www.periclase.com

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