Technical Data Sheet

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 as required.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO (by difference)	98.0% min	99.0%
Calcium as CaO	0.60% max	0.30%
Silicon as SiO_2	0.10% max	0.03%
Iron as Fe_2O_3	0.015% max	0.010%
Sulphates as SO_4	0.15% max	0.12%
Chlorides as Cl	0.25% max	0.15%
Loss on Ignition (900° C)	2.0% max	0.5%

Physical Properties	Specification	Typical Value
Tapped Density (10 taps)		0.60 g/cc
Particle size:		
Residue on 100 mesh (wet sieve)	10.0% max	5.0%
Residue on 325 mesh (wet sieve)	35.0% max	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 750 or 1330 kg. Store in original packaging in a dry, ventilated space.

Shelf-life under suitable conditions: 2 years from date of manufacture.
Customer-tailored specifications and other packaging modes are available.

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