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## Typical Product Specifications & Properties

# Magnesium Oxide Reactive Technical Grade KPLL

CAS Number: : 1309-48-4

Specifications	Limits
Surface area (BET)	KPLL-8 - 7.0 - 15.0 m <sup>2</sup> /g
Surface area (BET)	KPLL-20 - 15.0 - 30.0 m <sup>2</sup> /g
Loss on ignition (900 C)	KPLL-5 - 2% max
Loss on ignition (900 C)	KPLL-20 - 3% max
Loss on ignition (900 C)	KPLL-40 - 4% max
Loss on ignition (900 C)	KPLL-60 - 5% max
Melting Point	2800 c
Density	3.65-3.75
Very Soluble	in water
Particle size: Passes 200 mesh (wet sieve)	95% min
Calcium as CaO	1.0% max
Chloride as Cl	0.7% max



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Specifications	Limits
Surface area (BET)	KPLL-40 - 30.0 - 50.0 m2/g
Surface area (BET)	KPLL-60 - 50.0 - 70.0 m2/g
Loss on ignition (900 C)	KPLL-8 - 2% max
Magnesium Oxide as MgO (by difference)	97.0% min
Solubility	dil. acids, ammonium salt solns.
Silicon as SiO <sub>2</sub>	0.1% max
Iron as Fe <sub>2</sub> O <sub>3</sub>	0.025% max
Sulphate as SO <sub>4</sub>	0.5% max
Surface area (BET)	KPLL-5 - 3.0 - 7.0 m2/g
Insolubility	in alcohol
Boiling Point	3600 c
Odor	wh. powd. or cryst., odorless



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Specifications	Limits
Molecular weight	40.31



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