

Technical Data Sheet

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Item Name:

KSP (INSTANT SOLUBLE POWDER)

PRODUCT INFORMATION

Chinese Name:	速溶硅酸钾
Commodity Name:	Potassium Silicate
Chemical Name:	Potassium Silicate Powder
Other Name:	Instant Soluble Potassium Silicate, Potassium Polysilicate, Potassium Metasilicate
CAS No.:	1312-76-1
Molecular Weight:	n/a
Molecular Formula:	$K_2O \cdot nSiO_2 \cdot H_2O$

PRODUCT DESCRIPTION

Powdery Instant Potassium Silicate is white powdery substance, can fast dissolve in water, resistant to cold and good uniformity. It is a special foamed alkali convenient to be used, transported and stored. Molecular formula: $K_2O \cdot nSiO_2 \cdot H_2O$, n varies with the specification the uses.

Powdery Instant Potassium Silicate has better solubility and higher adhesion compared with powdery instant sodium silicate.

TECHNICAL SPECIFICATION

Index	Low Modulus	High Modulus
Ratio (M)	2.30 - 2.50	3.20 - 3.40
SiO ₂ content by wt%	48.0 - 54.0	57.0 - 63.0
K ₂ O content by wt%	31.0 - 35.0	26.0 - 30.0
Dissolving speed	60 max	120 max
Bulk density by g/ml	0.50 - 0.80	0.50 - 0.80
Fineness (100 mesh sieve residue)	5 max	5 max

MAIN APPLICATION

Powdery instant potassium silicate is widely used in refractory binders, oilfield drilling fluid additives and other fields with special applications.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg / 650kg PP bag with PE liner

Loading: 16mt/20'fcl for 25kg bags on pallets, 17mt/20'fcl for 25kg bags only, 26mt/40'HQ for 650kg bags

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.