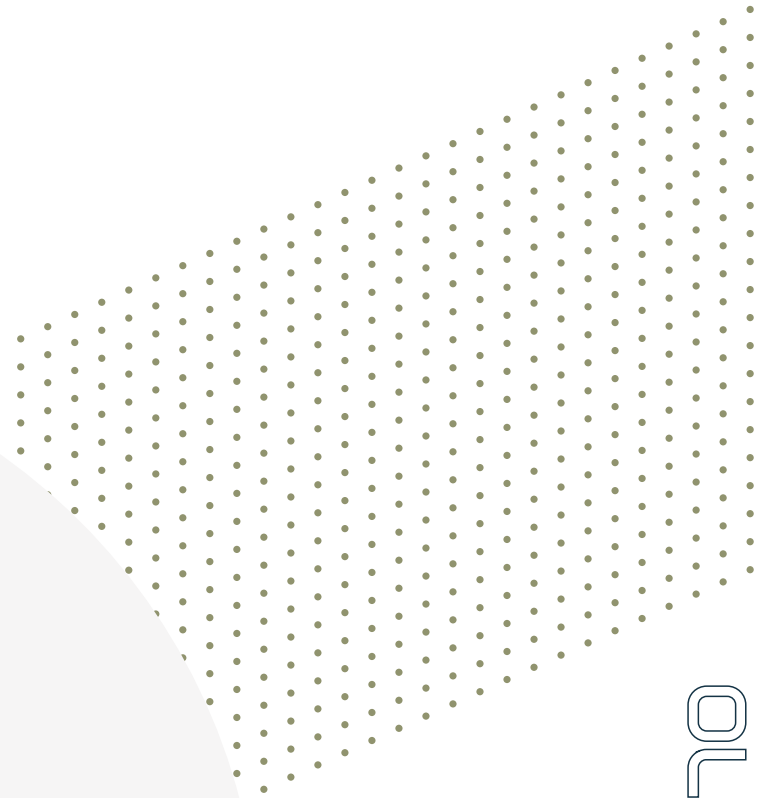
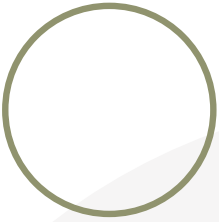


POTASSIUM OXIDE NANOPOWDER



Purity
99.9%

K₂O

NS6130-12-000170

NEXT



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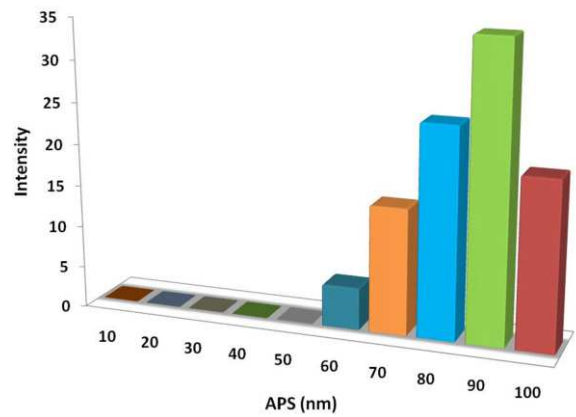
| www.nanoshel.com | sales@nanoshel.com

POTASSIUM OXIDE NANOPOWDER

Potassium oxide is also known as Kalium oxide. It is an ionic compound of potassium and oxygen. It is a highly reactive compound and rarely encountered. It is used in fertilizers and cements. It crystallises in the antifluorite structure. It is a basic oxide and also violently reacts with water to manufacture the caustic potassium hydroxide. K_2O is deliquescent and will absorb water from the atmosphere. K_2O is an unstable substance. It easily oxidizes to other oxides of potassium, peroxide or acid oxide of potassium (KHO). It is utilized in various industrial contexts and also in laboratory chemicals. It is employed in different products such as phytosanitary, polymers, fertilizers etc. K_2O is utilized in the area of formulation of mixtures or repackaging, forestry and fishing.

QuickFACTS

Product	:	Potassium Oxide Nanopowder
Stock No	:	NS6130-12-000170
CAS	:	12037-01-3
Color	:	Crystalline Solid
Form	:	Powder
Symbol	:	K_2O



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-12-000170	99.9%	<100nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
K_2O	94.20 g/mol	2.32 g/cm ³ 20°C	740 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	K_2O	Other Metal
Potassium Oxide Nanopowder	99.9%	1000ppm

APPLICATIONS

- > used in various industrial contexts
- > utilised in laboratory chemicals, fertilizers, polymers and phytosanitary products.
- > used in the areas of formulation of mixtures or re-packaging, forestry, agriculture and fishing.
- > used for the manufacture of chemicals, plastic products and mineral products



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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