



## ShangHai King Chemical.,Ltd

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# KY-200 product technical data

## Technical Data Sheet

**Product introduction:** Gas Silicon Dioxide

**Product model:** KY-200

### Product introduction:

The KY-200 is a synthetic, hydrophilic, amorphous gas phase silicon dioxide with properties superior to those of the standard Tegucigalpa A200 and Kaboth M-5. It is mainly used in the production of silicone rubber (HTV, RTV), resin coating, paint, ink, electronics, paper making, medicine, cosmetics, toothpaste, adhesive, plastic and other industries. Its characteristics are good anti-precipitation, anti-droop, thickening, improve the dielectric properties, promote free flow, is a good effect of free flow AIDS, positive and negative system of the carrier, including components (catalyst), granulation AIDS, processing AIDS, anti-agglomeration Agent, stabilizer.

### Application:

**PAINT COATINGS:** Epoxy coatings, alkyd resin coatings, acrylic resin coatings, zinc rich coatings, powder coatings, etc. .

**UNSATURATED POLYESTER:** Laminating Resin, GEL coating, grouting mixture, polar resin (epoxy, Vinyl Resin series) .

**PVC/PE:** plasticized Sol, organic Sol, plasticized PVC compound, cable compound, dry mix, film and sheet. Printing ink: Letterpress, intaglio, screen, flexographic, offset printing ink.

**SEALANTS and ADHESIVES:** polychloroprene based, epoxy, polyurethane resin, acrylic based, emulsion based, etc. .

### Physical and chemical specification:

Inspection item	Indicators	Measured value
Appearance	White flocculent powder	White flocculent powder
Specific Surface Area ( m <sup>2</sup> / g)	200 ± 25	210
Mean Primary Particle size	12nm	12nm
PH (%)	3.6-4.5	4.18



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<b>Drying_decrement (%)</b>	$\leq 1.5$	0.68	
<b>Burn reduction (%)</b>	$\leq 2.5$	0.65	
<b>Sieve residue (%)</b>	$\leq 0.05$	0.01	
<b>Apparent density (g/L)</b>	25-60	51	
<b>Silicon dioxide (%)</b>	$\geq 99.8$	99.9	
<b>Carbon_content (%)</b>	$\leq 0.2$	0.01	
<b>Chloride content (%)</b>	$\leq 0.025$	0.001	
<b>Oxide_content (%)</b>	<b>Aluminium Oxide</b>	$\leq 0.05$	Qualified
	<b>Titanium Oxide</b>	$\leq 0.03$	Qualified
	<b>Ferric Oxide</b>	$\leq 0.003$	Qualified
<b>Moisture content (wt.%) 5 °C for 2 hours</b>	$\leq 1.5$	Qualified	

### Administration and dosage:

POWDER COATING: sprinkle the product into the Flake, through ACM mill, cyclone separation, sieving, recommended dosage 0.1-0.2% .

Other Industries: added with reference to A200 and M-5 ratios.

### Packaging, storage and transportation:

Packing: 10kg; Whole Trailer (quantity): 200kg, 240kg, 330kg, 360kg;  
Complete vehicle: 9 tons.

It is recommended that the stacking height should not exceed 7 layers.  
The storage environment shall be ventilated and dry. It is recommended to use it as soon as possible after opening the bag.