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Product Specification

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KY-902 SiO₂ is a hydrophobic silicon dioxide by gas phase method modified by Dimethyl Dichlorosilane (DDS) based on hydrophilic silicon dioxide with a specific surface area of 200 M²/G.

Related parameters:

Characteristics	Unit	Typical value
specific surface area (BET method)	m ² / g	120
Bulk density* (approximate value) according to DIN EN ISO 787/ 11, Aug. 1983	g/l	About 50
Carbon content	Wt. %	0.6-1.2
Average diameter of particles	nm	16
Water content *105°C 2 hours nm	Wt. %	≤ 0.5
Loss on heating (Heating for 2h at 1000°C , based on the article after drying for 2h at 105°C)	/	≤ 2.0
PH (4% dispersions)	Wt. %	3.6-4.4
SiO ₂ content (based on the article after heating)	Wt. %	≥ 99.8

Function:

Used for hydrophobic component of thickening and reinforcing silicone sealants. Prolong storage time of silicone sealant .

Scope of Application:

1. Paint and coatings
2. Negative duplicator toner
3. Polymers for adhesive coatings

Characteristics:

The waterproof, hydrophobic and thickening of liquid systems.

Rheological control of (complex) liquid systems.

It is used to resist the sedimentation of paint to improve the stability of pigment and enhance the antiseptic effect.

Improving the hydrophobicity and rheology of offset printing ink.

It promotes and maintains the flowing and anti agglomeration properties of the powder.

Larger specific surface area helps to improve thickening and thixotropic effects and transparency.

Client Feedback:

The performance of KY-902 can be replaced by: R974, H20