
PRODUCT LIST
EKASIL

EKASIL 200

Hydrophilic Fumed Silica with a Specific Surface Area of 200 m2/g

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content	> 99.8	%
Specific Surface Area	175-225	m2/g
pH Value	3.7-4.5	-
Loss on Drying	≤ 1.5	%
Tamped Density	apx. 50	g/l

Application

- Paints and coatings
- Adhesives and sealants
- Printing inks
- Cosmetics
- HTV and LSR
- Cable compounds

Properties

- Improvement of free flow and anticaking characteristics of powder
- Reinforcement of silicone rubber
- Anti-settling, thickening and anti-sagging agent
- Rheology and thixotropy control of liquid systems, binders and polymers, etc.

EKASIL 300

Hydrophilic Fumed Silica with a Specific Surface Area of 300 m2/g

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content	> 99.8	%
Specific Surface Area	270-330	m2/g
pH Value	3.7-4.5	-
Loss on Drying	≤ 1.5	%
Tamped Density	apx. 50	g/l

Application

- Paints and coatings
- Adhesives and sealants
- Printing inks
- Cosmetics
- HTV and LSR
- Cable compounds

Properties

- Optimal dispersion for thickening and thixotropy
- Reinforcement of silicone rubber
- Excellent transparency in unsaturated polyester resins
- Rheology and thixotropy control of liquid systems, binders and polymers, etc.

EKASIL 380

Hydrophilic Fumed Silica with a Specific Surface Area of 380 m2/g

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content	> 99.8	%
Specific Surface Area	350-410	m2/g
pH Value	3.7-4.5	-
Loss on Drying	≤ 2.0	%
Tamped Density	apx. 50	g/l

Application

- Paints and coatings
- Adhesives and sealants
- Printing inks
- HTV – Silicon rubber
- Cable compounds

Properties

- High surface area for best thickening and thixotropy
- Reinforcement of silicone rubber
- Excellent transparency in unsaturated polyester resins
- Rheology and thixotropy control of liquid systems, binders and polymers, etc.
- Flow aid

EKASIL D150

Fumed Silica Treated with Dimethyldichlorosilane

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content	> 99.8	%
Specific Surface Area	90-130	m2/g
pH Value	3.6-5.5	-
Loss on Drying	≤ 0.0	%
Tamped Density	apx. 50	g/l
C Content	0.6-1.2	%

Application

- Paints and coatings
- Adhesives
- Printing inks and toner
- Silicon rubber/sealants
- Cable compounds/ gels
- Plant protection
- Cosmetics

Properties

- Hydrophobic component for thickening and reinforcement of silicon sealants
- Improve shelf-life of silicone sealants
- Water resistant, hydrophobising of liquid systems
- For coatings as anti-settling agent
- For pigment stabilization and improvement of corrosion protection
- Improves hydrophobicity and rheology of inks
- Improves and maintain free flow and anti-caking characteristics of powders

EKASIL D200

EKASILL200 treated with Dimethyldochlorosilane

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content	> 99.8	%
Specific Surface Area	150-190	m2/g
pH Value	3.7-4.7	-
Loss on Drying	≤ 0.0	%
Tamped Density	apx. 50	g/l
C Content	0.7-1.3	%

Application

- Paints and coatings
- Adhesives
- Silicon rubber/sealants
- Negative toner
- Coating polymers
- Cosmetics

Properties

- Hydrophobic component for thickening and reinforcement of silicon sealants
- Improve shelf-life of silicone sealants
- Water resistant, hydrophobising of liquid systems
- For coatings as anti-settling agent
- For pigment stabilization and improvement of corrosion protection
- Improves hydrophobicity and rheology of inks
- Improves and maintain free flow and anti-caking characteristics of powders

EKASIL D974 Pharma

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content (Assay)	99.0-100	%
Specific Surface Area	90-130	m2/g
Limit of Chlorides	≤ 250	ppm
Water dispersible fraction	≤ 3.0	%
Tamped Density	50	g/l

Application

- High purity amorphous silica for pharmaceutical use especially for solid dosage forms and emulsions

Properties

- Glidant for improving powder flow, suitable for very hygroscopic and/or cohesive powder
- Viscosity adjuster for thickening of non-polar pharmaceutical oils
- Stabilizer for water in oil emultions
- Used to adjust release behavior of active ingredients

EKASIL 200 Pharma

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content (Assay)	> 99.8	%
Specific Surface Area	175-225	m2/g
Chlorides	≤ 250	ppm
Al Content	Pass	-
Fe Content	≤ 500	ppm
Ca Content	Pass	-
Loss on drying	≤ 1.0	%
Tamped Density	apx. 50	g/l

Application

- High purity amorphous silica for pharmaceutical uses in all types of dosage forms

Properties

- Free flow and anti-caking agent to improve powder properties
- Improve tablets properties such as hardness and friability
- Used as viscosity increasing agent to thicken and thixotropize liquids
- Used as anti-setting, thickening and anti-sagging agent
- High purity, low humidity
- No influence of taste
- Not alter natural color of powder formulations

EKASIL 300 Pharma

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content (Assay)	≥ 99.0	%
Specific Surface Area	260-320	m2/g
Chlorides	≤ 250	ppm
Fe Content	≤ 500	ppm
Ca Content	Pass	-
Loss on drying	≤ 2.5	%
Tamped Density	apx. 270	g/l
Particle Size	20-60	µm

Application

- High purity granulated silica for pharmaceutical uses
- Carrier for liquid and pasty
- Increases dissolution of poorly soluble active ingredients
- Desiccant for moisture activated dry granulation

Properties

- Easy handling, low dust
- High purity
- Excellent flow behavior both loaded and unloaded

EKASIL XX

Customised Silica for
Your Special Uses

Physico-Chemical Data

Properties	Value	Unit
SiO2 Content	XX	–
Specific Surface Area	XX	–
pH Value	XX	-
Loss on Drying	XX	–
Etc.	XX	–

Application

- According to your application

Properties

- According to your requirements

Need customised silica for your specific uses, please contact us:

contact@ekasil.com

EKASIL

www.ekasil.com