

DEUREX® SILICA S 120

TECHNICAL INFORMATION

Chemical description: Hydrophobic Silica with an average specific surface of 120 m²/g

Applications:

- Powder coatings and clear coat
- Printing inks
- Sinter
- Masterbatch
- Cosmetics
- HTV- and RTV- 2K silicone rubber
- Adhesives and sealants
- Cable compounds and cable gels
- Unsaturated polyester resins, laminating resins and gelcoats

Properties:

- Free flowing powder; improvement of free flow characteristics of powders
- Antiblocking agent
- No change in transparency, hardness or scratch resistance
- Prevent from sticking of premix
- For use as anti-settling, thickening or anti-sagging agent
- Thixotropic agent for liquid systems, binders, polymers, etc.
- Reinforcing filler in elastomers, especially silicone
- Matting agent for extremely fine coatings
- Moisture-absorbing agent; prevent from formation of coagulates

Technical data:

Colour: White
Delivery form: **DEUREX® SILICA S 120** = Micro-sized powder

	Minimum	Maximum	Method
SiO ₂ -content:		99.99 %	
Specific surface: (BET)	90 m ² /g	150 m ² /g	ISO 5794-1 Annex E
Melting point:		1,600 °C	LV 1 (ASTM D4591)
Density (23 °C):	2.60 g/cm ³	2.70 g/cm ³	LV 3 (DIN EN ISO 1183)
Shelf life:		12 month	

(In closed, original containers in compliance with storage conditions)

* Part of certificate of analysis

Approvals:

DEUREX® SILICA S 120 is approved the production of commodities intended to come into contact with food.
EU: Regulation (EU) 10/2011 dated 14th January 2011
USA: FDA 21 CFR §§ 172.480, 175.105, 182.90
Approvals with regard to limitations and migration values in the final application.

Alternative delivery forms:

DEUREX® SILICA 200 – Hydrophilic Silica, specific surface of 200 m²/g
DEUREX® SILICA 380 – Hydrophilic Silica, specific surface of 380 m²/g
DEUREX® S 3012 M – Micro-sized powder, < 12 µm
DEUREX® S 3017 M – Micro-sized powder, < 17 µm

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.
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