

DEUREX® S 3001 M

TECHNICAL INFORMATION

Chemical description:

Nano-sized silica

Applications:

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

Properties:

- Free flowing powder
- Improving the flowability of powders
- Antiblocking agent
- Without changing of transparency , hardness and scratch resistance
- Prevents sticking of premixes
- Ideal for hydrophilic fat pigments
- The formation of coagulates is prevented
- Use as anti-settling agents, thickeners, flow prevention
- Thixotropic agent from liquids, binding agents, polymers
- Reinforcing filler in elastomers, especially silicone
- Matting agent for extremely fine coatings

Technical data:

Colour: White
Consistencies: **DEUREX® S 3001 M** = Nano-sized powder

	Minimum	Maximum	Method
Particle size*:		98 % < 1 µm	LV 5 (DIN ISO 13320)
Melting point*:		1600 °C	LV 1 (ASTM D4591)
Density (23 °C):	2.60 g/cm³	2.70 g/cm³	LV 3 (DIN EN ISO 1183)
Shelf life:	24 month (In closed, original containers in compliance with storage conditions)		

* Part of certificate of analysis

Approvals:

DEUREX® S 3001 M is approved for use in the production of consumer good used for food contact.

EU: Regulation (EU) 10/2011 dated 14. January 2011

USA: FDA 21 CFR §§ 172.480, 175.105, 182.90

Approvals with regard to limitations and migration values in the end use application

Alternative delivery forms:

DEUREX® S 3012 M – Micro-sized powder, < 12 µm

DEUREX® S 3017 M – Micro-sized powder, < 17 µm

DEUREX® S 3001 W – Water-based emulsion

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