

# Product Information

## ▶ AEROSIL® 380

### Hydrophilic Fumed Silica

AEROSIL® 380 is a hydrophilic fumed silica with a specific surface area of 380 m<sup>2</sup>/g.

#### Applications and Properties

##### Applications

- Paints and coatings
- HTV- silicone rubber
- Cable compounds and unsaturated polyester resins
- Adhesives and sealants
- Printing inks
- Food

##### Properties

- Rheology and thixotropy control of liquids, binders, polymers, etc.
- AEROSIL® grade with the highest surface area resulting in best thickening and thixotropy.
- Reinforcement of HTV-silicone rubber.
- Excellent transparency in unsaturated polyester resins.
- Flow aid

#### Physico-chemical Data

Properties	Unit	Typical Value
<b>Specific surface area (BET)</b>	m <sup>2</sup> /g	<b>380 ± 30</b>
<b>Average primary particle size</b>	nm	<b>7</b>
<b>Tapped density (approx. value)*</b> acc. to DIN EN ISO 787/11, Aug. 1983	g/l	<b>approx. 50</b>
<b>Moisture*</b> 2 hours at 105°C	wt.%	<b>≤ 2.0</b>
<b>Ignition loss</b> 2 hours at 1000°C based on material dried for 2 hours at 105°C	wt.%	<b>≤ 2.5</b>
<b>pH</b> in 4% dispersion		<b>3.7 - 4.7</b>
<b>SiO<sub>2</sub> - content</b> based on ignited material	wt.%	<b>≥ 99.8</b>

\* ex plant

The data represents typical values and not production parameters.

## Safety and Handling

With every sample or initial shipment of our products we will send a Material Safety Data Sheet. Of course, you can also request an MSDS or any other information regarding product safety at any time, or download it as a registered user at [www.aerosil.com](http://www.aerosil.com).

## Packaging and Storage

AEROSIL® 380 is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® 380 should be used within 2 years after production.

## Registration

AEROSIL® 380					
CAS-No.	EINECS	TSCA (USA), AICS (Australia), DSL (Canada)	ENCS (Japan)	ECL (Korea)	IECS (China)
112 945-52-5 7631-86-9	231-545-4	Registered	1-548	KE-30953 (KE-31032)	List 1

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