

ULTRASIL® 880

Product Information Silica

PI 207

Physico-chemical properties

| | | | |
|--|-------------------|------|--------------------|
| Specific surface area (N₂) | m ² /g | 35 | ISO 5794-1 Annex D |
| Heating loss | % | 5.5 | ISO 787-2 |
| pH-value | | 10.5 | ISO 787-9 |
| Tapped density | g/l | 260 | ISO 787-11 |
| SiO₂ content * | % | 87 | ISO 3262-19 |
| Ca content * | % | 5.5 | ISO 3262-17 |
| Appearance | white powder | | |

*based on ignited substance (2h/1000°C)

Registration number: CAS No 112926-00-8

| Registration status | | |
|---------------------|--------|------------|
| Australia | AICS | registered |
| Canada | DSL | registered |
| China | IECSC | registered |
| Europe | EINECS | registered |
| Japan | ENCS | registered |
| Korea | KECI | registered |
| New Zealand | NZIoC | registered |
| Philippines | PICCS | registered |
| USA | TSCA | registered |

1. General description

Precipitated silica for use as a white reinforcing filler in the rubber industry.

2. Chemical description

SiO₂ /CaO, synthetically produced amorphous silicon dioxide/calcium silicate.

3. Application

ULTRASIL® 880 is a silica with medium reinforcing potential. It imparts excellent compression set and extrusion properties to rubber compounds. ULTRASIL® 880 thus allows the production of profiles with low die swell and very smooth surfaces. Even EPDM compounds with extremely high filler loading can still easily be processed. In white compounds ULTRASIL® 880 can be used as a partial replacement for titanium dioxide. Sulfur cure is only marginally affected.

Application fields are:

Mechanical rubber goods.

4. Storage stability

| | |
|---------------|-----------|
| ULTRASIL® 880 | 12 months |
|---------------|-----------|

To ensure that product properties and application behavior remain unchanged, our precipitated silicas and silicates ought to be stored in closed and dry premises protected against exposure to volatile substances. Strict observance of optimum storage conditions ensures prolonged usability, nevertheless we recommend not to exceed a storage period of approximately one year.

5. Forms of supply

25 kg Paper Bag

Bulk Shipment

6. Product safety

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from:

EVONIK DEGUSSA GMBH, IM-PT-PS

E-MAIL sds.asfp@evonik.com

TELEFON +49 6181 59-4454

TELEFAX +49 6181 59-4205

We recommend that information concerning the product safety of our silicas be obtained and carefully read prior to their use.

7. Technical literature

Technical literature on the use of silicas can be ordered at the below-mentioned address.

You will also find additional information at www.evonik.com



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