

PRODUCT DATA SHEET

ReSiTec® 1M Silicon

1. Description

RST-1M is a high-quality silicon powder with low contents of metallic impurities.

2. Chemical analysis

Chemical analysis is as shown in the table below. Water content below 0.5%, traces of organic volatiles.

| Element | ReSiTec® 1M Silicon | |
|-----------|---------------------|--------|
| | 1M | 1M-HP |
| Si [wt.%] | ≥ 99.2 | ≥ 99.9 |
| Fe [wt.%] | ≤ 0.02 | ≤ 0.01 |
| Al [wt.%] | ≤ 0.7 | ≤ 0.01 |
| Ca [wt.%] | ≤ 0.01 | ≤ 0.01 |
| Cl [wt.%] | ≤ 0.01 | ≤ 0.01 |
| Cr [ppmw] | ≤ 20 | ≤ 20 |
| Cu [ppmw] | ≤ 10 | ≤ 10 |
| Ni [ppmw] | ≤ 50 | ≤ 20 |
| Ti [ppmw] | ≤ 3 | ≤ 3 |
| B [ppmw] | ≤ 1 | ≤ 1 |
| P [ppmw] | ≤ 4 | ≤ 4 |
| Ga [ppmw] | ≤ 3 | ≤ 3 |

*XRF/GDMS for metals. %Si=100%-%metals.

3. Sizing

Available as powder ($d_{50} \sim 700$ nm), agglomerated powder or pellets. Specific surface area (BET) is 20-30 m²/g.

4. Packaging

Available in big-bags or in cardboard drums. Other packing on request.

5. Health, Safety and Environment

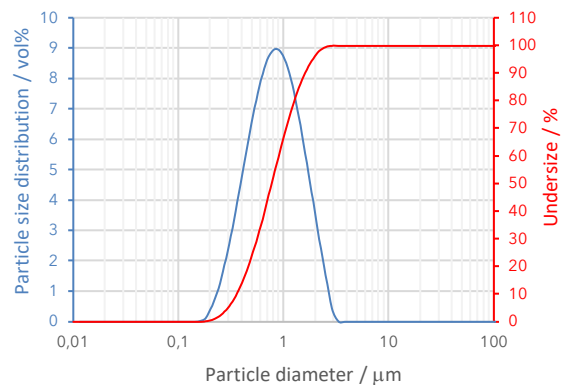
Not classified as hazardous material. We refer to our *Material Safety Data Sheet no.304156*.

ReSiTec silicon products are recovered from the photovoltaic industry and upgraded in our zero-emission low energy production processes resulting in a very low carbon footprint (PCF).

6. Contact information

For further information, please contact ReSiTec AS in Norway and our staff will assist you with technical or commercial information.

Contact information is available on our web site www.resitec.no or e-mail: post@resitec.no



Typical particle size distribution. Measurements by laser diffraction (Malvern Panalytical Mastersizer 2000).

