Product Specification

DMT Quartz Sand up to 850 my

TÜV NORD Systems GmbH & Co. KG
Plant & Product Safety
Refrigeration & Air Quality

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1. General description:

Standard 60068-2-68 defines test procedures to determine the effects of dust and sand as an air component on electro technical products. DMT quartz sand < 850 µm is used for the Lc test according to methods Lc1 and Lc2.

2. Composition:

The specified particle size distribution is shown in the following table:

x (µm)	Q3(x) (%)
149.0	4.2 - 5.2
210.0	15.9 - 17.9
297.0	43.5 - 46.5
420.0	74.5 - 83.5
590.0	93.3 - 98.3
850.00	94.5 - 100.0

3. Transport and Storage:

Partial segregation may occur during transport and storage. It is therefore recommended to homogenize the DMT Quartz Sand up to 850 my before use, which can be achieved by mixing with a laboratory tumbler mixer. Please store in a dry and airtight original container.

4. Quality ensurance:

In order to achieve reproducible quality, the raw materials and production are strictly controlled. The following quality controls are carried out:

Monitoring the particle size distribution of raw materials
Monitoring the particle size distribution of the end product

5. Specification:	**Name :** DMT Quartz Sand up to 850 my **Standard:** IEC 60068-2-68 **Title of Standard:** Environmental testing - Part 2-68: Tests - Test L: Dust and sand **Composition :** Quarz **Material:** Quartz **smallest particle size (µm) :** 100 **largest particle size (µm) :** 850 **Substance density (g/cm³) :** 2,65 **Apperance :** solid **Hardness (Mohs):** 7,0 **Colour :** grey/brown