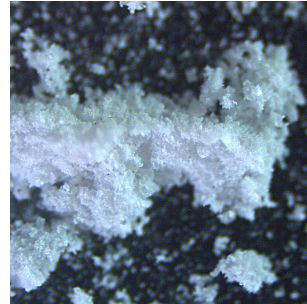


Product Specification

DMT Test Dust A3 medium

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

Am TÜV 1
45307 Essen, Germany



- 1. General description:** Analogous to the Arizona test dust A2 fine, the Arizona test dust A3 medium is also used in various normative tests.

The so-called Arizona test dust A3 medium consists of 69 % - 77 % quartz. DMT test dust A3 medium "epsd" complies with the particle size distribution specified in the ISO 12103-1 standard, but 98 % of this consists of quartz. The test dust is identified by an additional code "epsd". "epsd" stands for "equivalent particle size distribution".

2. Composition:

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

x (µm)	Q3(x) (%)
0.97	2.0 - 2.4
1.38	3.8 - 4.4
2.75	10.3 - 11.1
5.50	22.1 - 23.2
11.0	42.3 - 43.6
22.0	62.5 - 64.5
44.0	82.0 - 83.5
88.0	94.7 - 96.0
124.50	97.2 - 98.6
176.0	99.0 - 100.0
248.90	100.0

3. Transport and Storage:

Partial segregation may occur during transport and storage. It is therefore recommended to homogenize the DMT Test Dust A3 medium 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 Test Dust A3 medium**Standard:** ISO 12103-1**Title of Standard:** Road vehicles -- Test contaminants for filter evaluation -- Part 1:
Arizona test dust**Composition :** Quarz**Material:** Quartz**largest particle size (μm) :** 250**Bulk density (g/cm^3):** 1,00**Substance density (g/cm^3) :** 2,65**Apperance :** solid**Hardness (Mohs):** 7,0**Colour :** white
