

## Product Specification

### PTI Arizona Test Dust A4 coarse

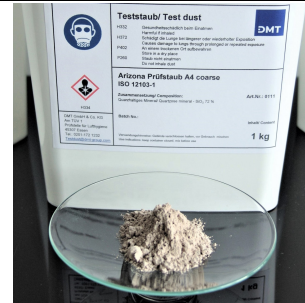
DMT GmbH & Co. KG

Plant & Product Safety

Refrigeration & Air Quality

Am TÜV 1

45307 Essen, Germany



**1. General description:** The coarsest test dust of ISO 12103-1 is the Arizona test dust A4 coarse.

The so-called Arizona test dust A4 coarse consists of 69 % - 77 % quartz.

**2. Composition:** The specified particle size distribution is shown in the following table:

$x \text{ (}\mu\text{m)}$	$Q3(x) \text{ (%)}$
0.97	0.74 - 0.83
1.38	1.8 - 2.1
2.75	5.5 - 6.3
5.50	11.5 - 12.5
11.0	21.0 - 23.0
22.0	36.0 - 38.5
44.0	58.0 - 60.0
88.0	85.0 - 86.5
124.50	93.0 - 94.0
176.0	97.2 - 98.2
248.90	99.0 - 100.0
352.0	100

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**3. Transport and Storage:** Partial segregation may occur during transport and storage. It is therefore recommended to homogenize the PTI Arizona Test Dust A4 coarse before use, which can be achieved by mixing with a laboratory tumbler mixer. Please store in a dry and airtight original container.

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**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

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**5. Specification:**

**Name :** PTI Arizona Test Dust A4 coarse

**Synonyme :** AC coarse, coarse test dust

**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) :** 352

**Bulk density (g/cm³):** 1,20

**Substance density (g/cm³) :** 2,65

**Apperance :** solid

**Hardness (Mohs):** 7,0

**Colour :** brown / beige

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