Product Specification

PTI Arizona Test Dust A4 coarse

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

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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 (µm)	Q3(x) (%)
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

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.
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 :** 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