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Falling sand conditioning equipment
(Resistance to surface damage by fine particles)

Description



The equipment provides the two required basic functions within a suitable housing:

The gravity tube assembly, consisting of three coaxial rigid PVC tubes of the same diameter, separated by two polyamide sieves, and through which the sand falls;

A rotating plate, inclined to the vertical axis, and upon which four-station sample holders are mounted, so as to present the specimens to the stream of falling sand.

Consumables, sufficient for 10 tests, are included:

10 x B270 glass reference samples
10 x PMMA reference samples

Services required

Floor mounted.

110/230 volts AC, 50/60Hz, mains electricity.

Silica sand – obtained and sieved locally, using the sieves specified in the standard.

Cleaning solution.

Test equipment to measure narrow/wide angle scatter post-conditioning.

Optional items

None.

Consumables

Glass reference samples (ITY-3434)

PMMA reference samples (ITY-3435)

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Falling sand conditioning equipment (continued)

Approximate dimensions and weight

250 x 50 x 50 cm : 65 kg

Relevant standards

EN 166:2001
EN 168:2001 and other standards that use this conditioning method
ISO 16321-1:2021
ISO 18526-3:2020 and other standard that use this conditioning method.