



IP68 Test Report

Applicant

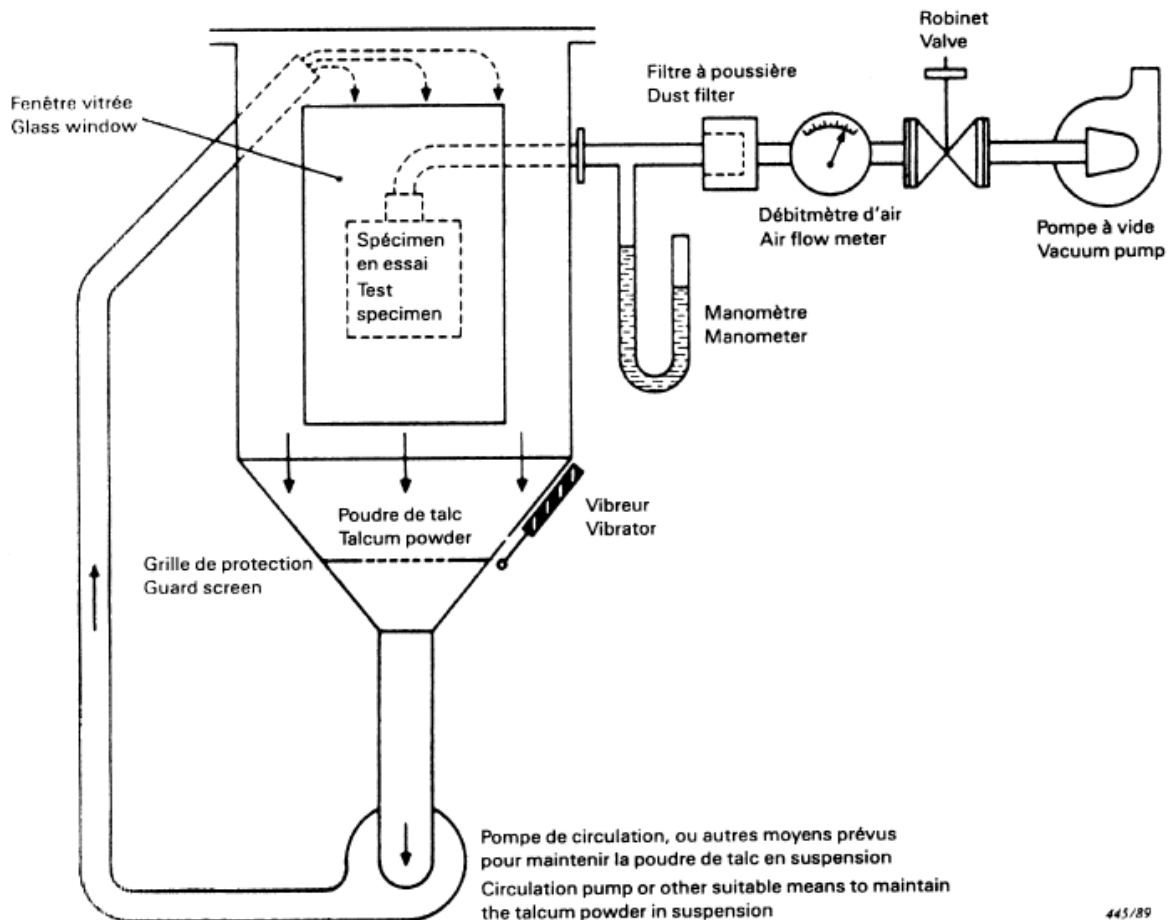
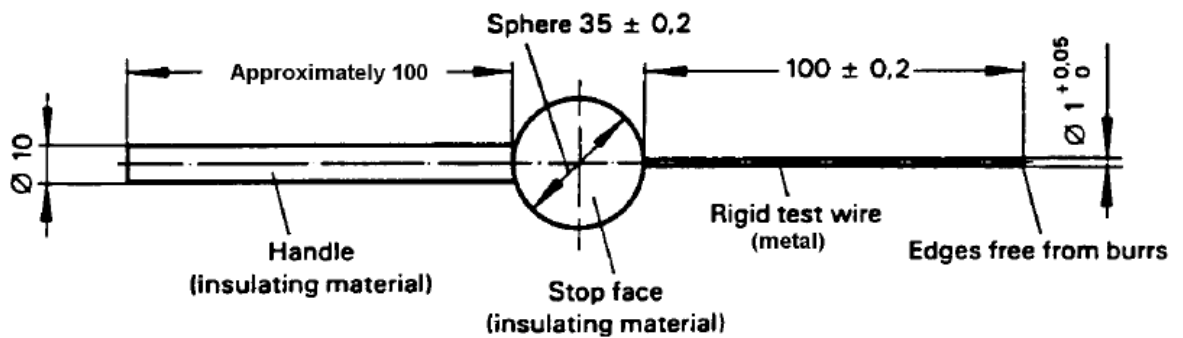
: XIAMEN UGUARD COMPOSITE MATERIALS CO.,

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1. IP6X Dust-proof Test

1.1 Test requirement

| Equipment | Model | Serial no. | Cal. Due date |
|---|-----------------|--------------|---------------|
| Test probe | Probe D (100mm) | CNSZ-PTE3031 | 2015-04-18 |
| Push-pull scale | FGN-250HB | CNSZ-PTE3113 | 2014-06-26 |
| Apparatus for Proving Protection Against Dust | KXT309 | CNSZ-PTE3042 | 2015-05-16 |



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1.2 Test method

1.2.1 The product (first characteristic IP numerals 6) shall be tested at every possible point (excluding gaskets) with a probe in accordance with test probe D of IEC 61032, applied with a force $1N \pm 10\%$.

1.2.2 The test is made using a dust chamber.

Dust-proof sample (first characteristic IP numeral 6) shall be tested in a dust chamber similar to which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 μm and whose nominal free distance between wires is 75 μm . It shall not have been used for more than 20 tests.

The test shall proceed as follows:

- a) Enclosure where no pressure difference relative to the surrounding air is present.
- b) The enclosure under test is supported in its normal operating position inside the test chamber, but is not connected to a vacuum pump. Any drain-hole normally open shall be left open for the duration of the test. The test shall be continued for a period of 8h.
- c) The enclosure is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

1.3 Test Result

Conclusion: Pass

The sample comply with the requirements of the standard.

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Product Photos:

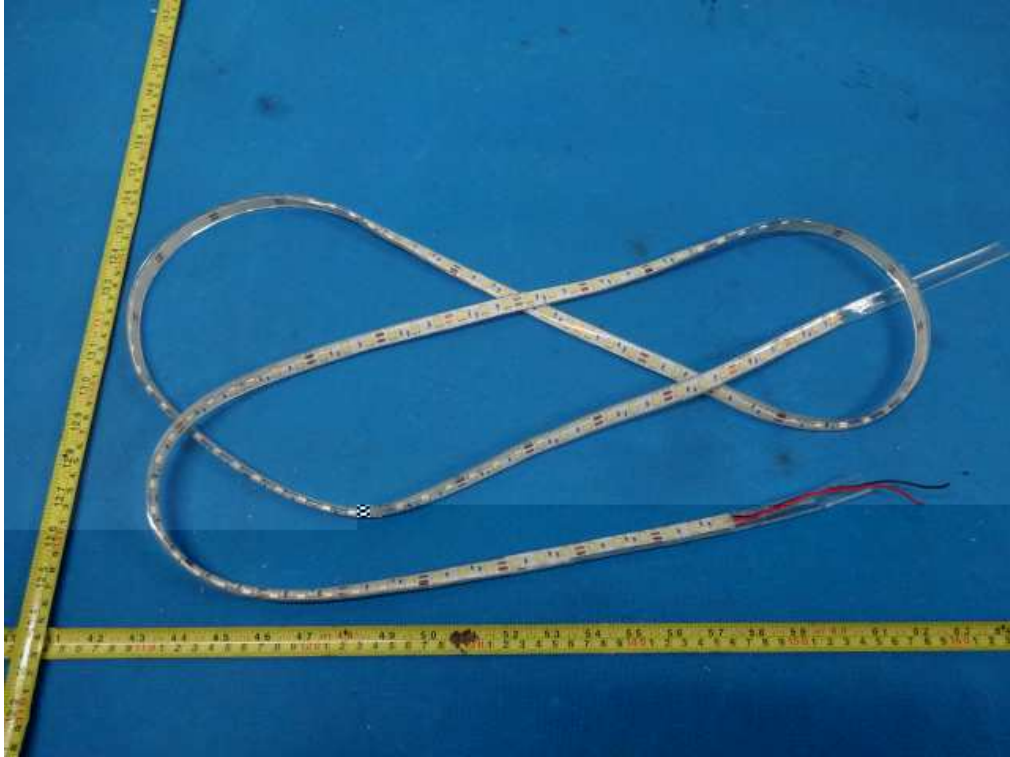


Photo 1: Top view (before test)



Photo 2: Back view (before test)

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Photo 3: Top view (after test)



Photo 4: Back view (after test)

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Photo 5: Lighting (after test)

-----End report-----