



HANGZHOU WESHARE IMPORT & EXPORT
CO.,LTD.

PRODUCT NAME: P-70 PORCELAIN BUSHING INSULATOR

TEST SAMPLE

TEST: GUO AUG.18,2023

REPORT: ZHANG AUG.18,2023

APPROVE: DENG AUG.18,2023

P-70 PORCELAIN BUSHING INSULATOR REPORT

1、Total quantity: 5268PCS

2、ACC. TO: (1) IEC60168-2001

(2) DRAWING

3、TEST SAMPLE: 10PCS

4、TEST REPORT DATE: AUG.17,2023

5、TEST ITEM:

(1) Verification of dimensions: according to the drawing

(2) Temperature cycle test: temp. difference 50℃, 3 cycles without damage

(3) Bending failure load test: spec. 3.6KN

(4) Porosity test: Impermeable dye phenomenon

(5) Zinc coating test: The thickness of the zinc layer is 70 microns for each sample, average 85 microns。

6、TEST RESULT:

(1) Verification of Dimensions:

单位: mm

RESULT: QUALIFIED。

No.	Height 254	φ140	The distance between the porcelain and the porcelain surface is up/down 30.5	Installation center distance 73	Creepage distance 500
1	255	φ145.5	30.5/30.5	72	509
2	256.2	φ146.2	31/31	72	507
3	256.4	φ144	30/31	72	505
4	254.7	φ146.8	31/30.2	72	515
5	253.4	φ144.7	30.6/30.3	71	510
6	256.5	φ146.2	30.5/30.6	72	509
7	254.6	φ145.4	30.6/31	71	506
8	256.2	φ144.4	30.5/30.5	72	509
9	256	φ146.3	30/30.5	71	511
10	255	φ145	31/30.5	72	507

(2) temperature cycle test:

The temperature in the cold pool is 26℃, the temperature in the hot pool is 76℃, and the temperature difference is 50℃. 10 samples were cycled in hot and cold water for three tests (immersed in water for 30min) for a total of 3h, and no damage occurred.

The temperature cycle test is qualified.

No.	specification	Result	Test condition	conclude
1	breaking load : $\geq 3.6\text{KN}$	4.6KN	Porcelain spoilage	pass
2		4.9KN		pass
3		4.34KN		pass
4		4.22KN		pass
5		4.36KN		pass
6		4.4KN		pass
7		4.55KN		pass
8		4.24KN		pass
9		4.56KN		pass
10		4.41KN		pass

(4) Porosity test

The porosity test was carried out on the porcelain pieces of test subjects 1 to 10, and the test solution was 1% fuchsin alcohol solution. Put the porcelain piece into the seal containing the solution, apply the pressure of 20Mpa and maintain the pressure of 9h. After the pressure specified in the standard is multiplied by the test time of no less than 180Mpa.h, the porcelain block is removed, the porcelain block is destroyed, and the new fault is observed without any penetration and staining phenomenon. The porosity test passed.

(5) Zinc coating test:

No. (技术要求)	1	2	3	4	5	6	7	8	9	10	Conclude
Zinc coating thickness (70 μm)	91	89	95	100	85	87	92	96	88	94	PASS
全部试品平均锌度 (85 μm)	91.7										PASS

7、Sampling test conclude:

Qualified

AUG.18,2023