



## TEST REPORT

No. : SC110820988

Date : Sep. 07, 2011

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ANHUI PMA INVESTMENT CO., LTD.

ROOM 909-913, BUILDING A, SECOND STAGE, FORTUNE SQUARE, NO.278, SUIXI ROAD, HEFEI CITY,  
ANHUI PROVINCE, PRC

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : ANTI-RADIATION COATING  
Sample Number : SC110820988  
Test Required : Surface resistivity  
Test Method : ASTM D257-07  
Date of Receipt : Aug. 29, 2011  
Test Period : Aug. 29, 2011 to Sep. 07, 2011  
Test result(s) : For further details, please refer to the following page(s)

\*\*\*\*\* To be continued\*\*\*\*\*

Signed for SGS-CSTC Standards  
Technical Services (Shanghai) Co., Ltd.

*Sally Xie*

Sally Xie  
Authorized signatory

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### Sample Description:

- 1) name: Anti-radiation coating
- 2) grade: /
- 3) color: grey
- 4) manufacturer: /

### Sample quantity, shape and dimension:

- 1) quantity: 5
- 2) shape: board
- 3) length: 200mm
- 4) width: 100mm
- 5) thickness :  $t < 7\text{mm}$  (t- average thickness)

### Test electrode description:

- 1) Type: TOM600ME
- 2)  $D_1=30\text{mm}$ ,  $D_2=57\text{mm}$ , weight :2.27Kg ( $D_0=43.5\text{mm}$ ,  $g=13.5\text{mm}$ )
- 3) Calculated formula:  $\rho_s = \rho \cdot R_s / g$

Remark:  $R_s$ - surface resistance;  $\rho_s$ - surface resistivity;  $\rho = \pi \cdot D_0$

### Sample pretreatment:

- 1) Condition 48h/23°C/50%RH
- 2) Sample's surface not cleared before test.

### Test condition:

- 1) Temp. 23°C Hum. 50%RH
- 2) Test voltage : DC < 10V
- 3) Electrification time: 60 s

\*\*\*\*\* To be continued\*\*\*\*\*

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Test Results:

Sample No.	Test Result			note
	$R_s$ ( $\Omega$ )	$\rho_s$ ( $\Omega$ (per square))	Average of $\rho_s$ ( $\Omega$ (per square))	
1	$9.10 \times 10^1$	$9.10 \times 10^2$	9.14 $\times 10^2$	Steady-state
2	$9.30 \times 10^1$	$9.30 \times 10^2$		Steady-state
3	$1.00 \times 10^2$	$1.00 \times 10^3$		Steady-state
4	$9.60 \times 10^1$	$9.60 \times 10^2$		Steady-state
5	$7.70 \times 10^1$	$7.70 \times 10^2$		Steady-state

Note:

1. The measured value shall have three kinds of statements:
  - 1) Steady-state---the variation of measured value is within  $\pm 5\%$  during the latter 75% of the specific electrification.
  - 2) No available---the measured value exceed the range of test apparatus.
  - 3) Apparent---except 1&2, other states are considered as "apparent".
2. This test method has been shown to have a repeatability of approximately one half order of magnitude.

Sample Photo:



\*\*\*\*\* End of report \*\*\*\*\*

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