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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC,

IEC 61340-4-1—2017

(IEC 61340-4-1:2015, Electrostatics — Part 4-1: Standard test methods for specific applications — Electrical resistance of floor coverings and installed floors, IDT)

2018

IEC 61340-4-1—2017

,   -
                                        1.0—2015 «   .
            »   1.2—2015 «   .   -
      .   .   ,   -
      .   »

      1   «   -
              » («   »)   «   -   «   »   -
                                                                                  ,   **5**
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      3   ,
(30   2017 . No 52)

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(3166) 004-97	(3166) 004-97	
	AM BY KG RU UZ UA	

      4   **26**
2016 . No 431-   **IEC 61340-4-1—2017**   -
                                                    1   2018 .
      5   **IEC 61340-4-1:2015 «**   -
      .   **4-1.**   .   -
                                » («Electrostatics — Part 4-1: Standard test methods for
specific applications — Electrical resistance of floor coverings and installed floors», IDT).
                                                                                IEC/TC 101
«Electrostatics».
                                                                                                      -
                                            1.5 (3.6).
                                                                                                      -
                                          ,   -

      6

                                                                                                      -

            «   »,   —
                  «   ».   *(   )*
                  «   ».   ,
                                                                                                  —

      (www.gost.ru)

                                            ©   ,   . **2018**

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II

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IEC 61340-4-1—2017

Electrostatics. Part 4-1. Test methods for specific applications.
Electrical resistance of floor coverings and installed floors

—2018—08—01

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, 10^4 $10^{'3}$.

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2

8 (-

, —

( )]:

ISO 1957:2000, Machine-made textile floor coverings — Selection and cutting of specimens for physical tests (. -

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3

8 :

3.1 (acceptance testing): , -

.

3.2 (geometric mean): .

- -

3.3 (groundable point):

.

3.4 (insulating material): , -

10 .

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3.5   **(laboratory evaluations):**   ,   -
.

3.6   **(resistance to ground):**   ,
    ,   -
.

3.7   **(point-to-point resistance):**   ,
    .

3.6   **(vertical resistance):**   ,   -
    ,   -
.

4
-
.
.
-
,
,   .   -
.

5

5.1
( )   -

±10 %,   .

5.1.1   :
- (10 ± 0.5)   — $1 * 10^6$;
• (100 ± 5)   — $1 \quad 10^*$ $1 * 10^{11}$;
> (500 ± 25) 8 — $1 * 10"$.

.
,   ,
.

5.1.2   -
:
«(10 ± 0.5)   — $1 * \quad ^6$;
- (100 ± 5)   — $1 » 10^6$ $1 * 10"$:
- (500 ± 25} 8 — $1 \quad 10"$.

.
.   ,
.
.

5.2
(-
)   ,   -

2

. 1.

(65 ± 5) . , *

,

(60 ± 10) . , *

*

(. 5.3}. 1000 .

, , , *

. :

a) (2.5 ± 0,25) — , ;

b) (5.0 ± 0,25) — , .

— 10^{14}

(. 1).

5.3

(600110} 1 ( ) , *

.

5.4

(. 6) , *

, 1 * 10^{14} .

.

. (. 6).

, ,

.

5.5

, -

(640110) (5 ± 1) .

1 * 10^{14} .

, (1300 ± 10) * (600 1 10) *

(5 ± 1) .

,

1 ’4 .

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Ø65±5

12.5±0,5

Ø150±10

Ø65±5

12.5±0,5

: (2.5±0,25)   (5.0 ± 0,25)   .

1 —   ; 2 —   ,   ;
3 —   ; 4 —   : 5 —   ;
  —   ,   S.2.   ),   6.2.   ); 7 —   :   —
      : 9 —   . 10 —   ,   —   {
)

                    1 —

4
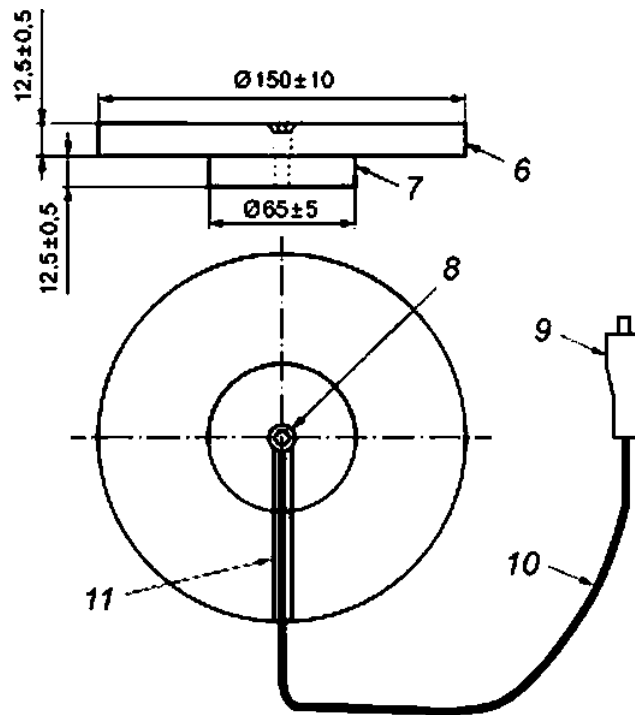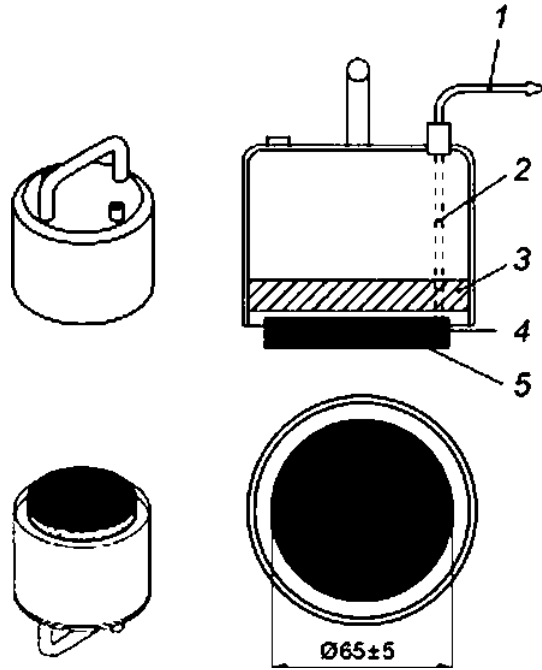
6

ISO 1957.

ISO 1957 ,

.

(500 1 50) .

{1200 ± 50) * (500 ± 50} .

, ,

, — , .

.

,

.

, .

.

, .

(. 5.4) ,

. ,

. .

, ,

, **(1000 150)** (. 9.4).

,

. .

.

7

.

.

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8

, **:** **(23 ± 2)** " . .

(12 ± 3} %. — 46 .

.

24 **(20 ± 2)** *

(65 ± 3) %.

.

, .

, .

, .

.

9

9.1

.

. , (

2 95 %). , .

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—

.

9.2

,

(5.5).   (5.2)

,   (300 ± 10)   .

,   .

,   .

,   .

,   (5.1).

10   .   (15 ± 2)

.   10   .

100   .   1.0 * 10^{11} .   500

,   :

a)   10 8   1.0 * 10   .   100   1.0 * 10*   ;

b)   100   1.0 * 10^{11} .   500   1.0 * ^{11} .

,

100   .

, . .   ,

,   ,   .

.

,   .

9.3   (   )

(5.3)   (5.5).

.

(5.2)

100   .   ,

,

(5.2).   10   .   (15 1 2)

.   10*   .   100

.   1.0 * 10^{11} .   500

,   5.1.   :

a)   10 8   1.0 * 10   .   100   1,0 * 10   ;

b)   100   1.0 * 10^{11} .   500   1,0 * 10^{11} .

,   .

100   .

9.4

-

(5.5).   (5.2)

,

100   .

.

,   -

(5.1).   10   .   (15 ± 2)

.   10   .   -

100   .   1.0 *   11   .   -

500   .   ,   -

,   5.1,

:

a)   10   1.0 * 10   .   100   1,0 * 10   :

b)   100   1,0 * 10”   .   500   1.0 * 10”   .   -

,   .

(1000 ± 50)   .

100   .

.   ,   -

,   ,   -

,   -

(1000 ± 50)   .   ,   -

,   -

100   ^{2} .

10

.   ,   ,

.

11

:

a)   :

b)   ,   :

c)   ;

d)   ,   -

.   :   -

-   :   ;

-   :   -

;

e)   .

0   ;

)   ,   ,   -

;

h)   ,   ;

i)   :   ,   ,

:

j)   ,   ;

k)   ;

l)   ;

)   ,   ,   -

,   ,   ,   .

IEC 61340-4-1—2017

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ISO 1957:2000	—	•
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677.076:006.354   **17.220.99**   **IDT**
                             59.080.60

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2—2018/33

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