2007

12S55—77

(. , 2UU7 .)

- - . 6	Ng J, 2, 3, 4, 5, 6 4, 5, 6, N9 J, 2, 3,
	                          J9S1 ., J9S3 .,
	                        1983 ., 1985 .,
	                     1987 .,
	                1989 .

(5 2007 .)

12855-77

Rubber sheet for transformers. Specifications

83.140.99
25 4321

<u>01.01.79</u>

,   -

,   ,   ,   '   I   15150.

1.

1.1.   :
    —   ,
    —   .
(,   .   2).
1.2.   ,   ,   .
                                                ,   ,   ;
—   .
(,   .   5).
1.3.   . 1—2.

	.	. .	.	. .	.	. .
	250-1000		250-800	±25	2-25	—	—
	800-5000	±50	200-800				
	800-5000		800-1200	±50			
	1000-20000	±50	10-40	±2,0	4-16	—	—
	1000-20000	±50	—	—	—	8,0 10,0 12,0 16,0	± 1 ± 1 ± 1 ± 1

2

,

.	. .	. .	. .
2	± 0,3	± 0,4	—
3	± 0,4	± 0,5	–
4		± 0,6	± 0,6
5	± 0,5	±0,7	±0,7
6	± 0,6	± 0,8	± 0,8
8	± 0,8	± 1,0	± 1,0
10	± 1,0	± 1,2	± 1,2
12			
16	± 1,2	± 1,6	± 1,6
20	± 1,5	± 2,0	
25	± 1,8	± 2,2	—

(,   .   1, 5, 6).
1.4.   ,   50,   ,
    50,   ,   5.   -
              ,   2.
                                                                                                          ,
      4   ,   250   ,   5000   :

                              4 250 5000   12855-77

        ,   4   ,   250   ,   5000   :

                              4 250 5000   12855-77

        ,   4   ,   20   ,   5000   :

                              4 20 5000   12855-77

        ,   8   :

                                    0 8   12855-77

(,   .   2, 3, 4, 5, 6).

                              2.

    2.1.

                              ,   .

    2.2.   .   -
        :
                                        0,50   5   ;   0,75
                        5   10   ;   1,00   10   20   ;
      1,50   20   .   250   250   -
              500   500   1   (   );
                        1   ^{2};   10 ^{2} 1 ^{2}
        ;
                                    4   ,   100
                        1   ;
                                                                                                      ;
                                          5   ,   1
              1   .
(,   .   4, 5).
    2.3.
              ,   .   -
              0,3   3   .   1 ^{2}.
    2.4.   -   ,   -
              . 3.

3

,		55-70	70-80		263
,		56-65	70-80		20403
					9.030
-2 100 ° 24 , %	-3				
%	+5				

. .

2.3, 2.4. **(,   . 5).**

2.5.   982

.

(,   . 2).

2.6. $5 \cdot 10^{-4}$ %   -

10 %   8   ,   .

2.7.   1,2—1,4 / ^{3} (   ).

2.8.   ,   . 4.

4

	, °	
		15150
(982, 10121)		
(5775)	60 100	, ,
($5 \cdot 10^{-6}$ %)	55 50	,

. **(,   . 2).**

(,   . 2).

2.9. **(,   . 4).**

2.10.   -   ,   ,
,   . 5.

5

1. , (/ ^{2}),	6,4 (65)	7,8 (80)	270, 1 2	
2. , %, -	200	160	270, 1 2	
3. ,	55-70	70-80	263	
4. , IRHD	56-65	70-80	20403	

. 5

5.			
24 , %, : 50 ° 20 % 100 ° 30 %	25	35 —	9.029,
6. , : 45 ° 50 °	0,25	0,2 —	13808

.   .

(,   . 2, 4, 5, 6).
2.11.   — 12   ,   — 6   .
(,   . 1, 2, 5).
2.12. (,   . 4).

3.

3.1.   .
3000 ,   .
:
-                    ;
;
;
;
.

(,   . 2, 4, 5).
3.2.

3.3.   :
—   ;
,   ,   ,   —   3 %
;
—   .

(,   . 4, 5).
3.4.   ,   -
:
—
3   .   ;
—   5   .
;
-                                    —5 %   ,   ,
.

(,   . 1, 4, 5).
3.5.   -
,   .
.

3.6. (,   . 5).

4.

4.1. 11358.

(300 ± 10) -

20

(500 ± 10) .

427 1

7502 2- 10 .

(, . 5).
4.2. . 2.2 2.3

(, . 4).
4.3. - 1—6 . 5 , -

(, . 2).
4.4. -2

. 3

(, . 2, 5).
4.5. 263 20403 ,

.

4.6. -

2.

(, . 6).
4.7. 9.026.

$(5,0 \pm 0,5) \cdot 10^{-4}$ %, (10 ± 2) %, $(8,0 \pm 0,1)$.

(, . 2).
4.8.

(, . 4).

5. , ,

5.1. , :

- ;

;

(,);

.

(, . 1, 2, 5, 6).
5.2. , , -

, 3

.

- 1868 17308, -

, 4514, ,

2228

2991 (III), .

50 .

63.89 -

63.30 9078 9557.

.

26663.

1000 .

,   -

.

:

-                    ;

;

;

;

;

.

(,   . **6).**

5.3. **(**   ,   . **6).**

5.4.

,

,   15152.

5.5. (,   .   **2).**

5.6.   -

,   .   -

.

30 °

.

0 °   25 ° .

5.7.   25 ° . -

35 °   80   .,

15   .   40 ° .

0   °

15 °   3   50 ° .

5.6, 5.7. **(**   ,   . **5).**

5.8.

,   ,   ,   -

,   ,   ,   .

6.

6.1.

.

6.2.   —   .

6.3.   —   .

6.1—6.3. **(**   ,   . **4).**

1

1.

2.

3.

4.

5.

. 1—3.   6   6

1 —   20.58   1477; *2* —   ;
     3 —

. 1

Черт. 2

Черт. 3

. 2, 3:

1.   :

12, ±± IT14   ;

12, hl2, ±   IT14

2.   — . .
3.   —   7   1435.

6.   .

. 4,   .

Надрез

. 4

7.   30° ± 5°

. 5,   ,
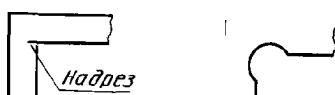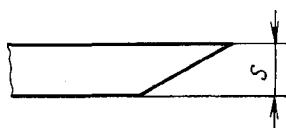
-                (150 ± 3) °

. 5

8981   38.401-67-108
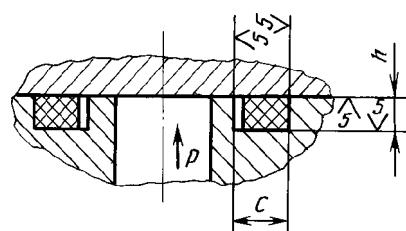
1:1.   1:3.

                    2,0   .
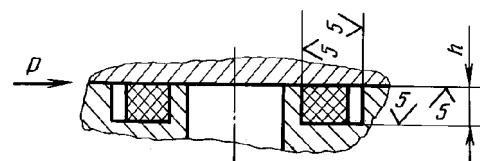
                                                            150   .

8.
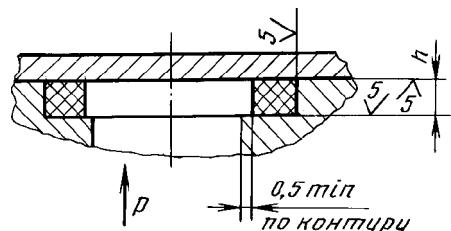
. 6—14.
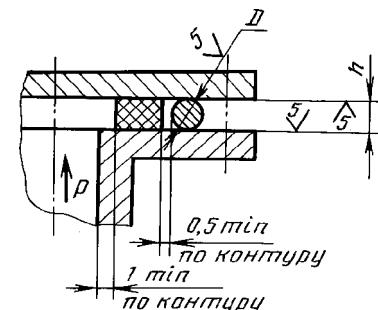
. 6

Черт. 7
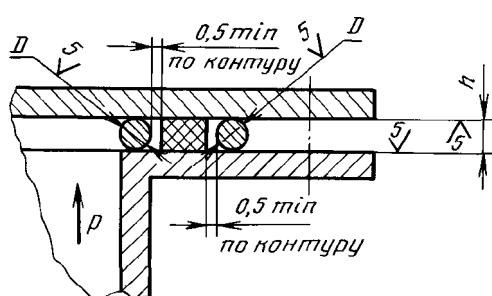
. 8
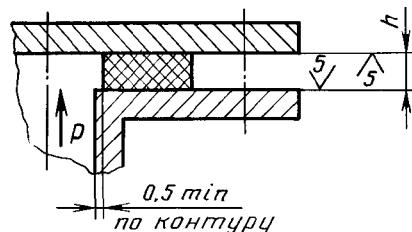
D —   3282,
h_{min} h_{max}
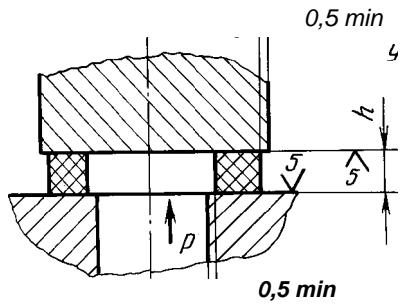
. 9
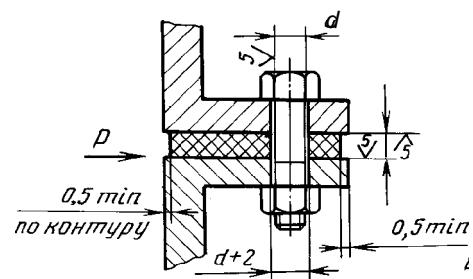
. 10
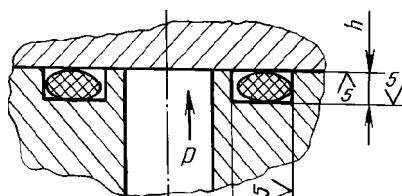
. 11

. 12

. 13

. 14

.6—8

20 % — 50 %,
200

0,5   ,

(   )   ,   .   ,   ,   -
,
9.   :
(.6—8, 14) —   1   3;
(.9—13) —   2   5.

10.
5 % - 10 %.
11.   20 % — 50 %.   (I)   -

$$\Sigma = \frac{S - h}{S} \cdot 100,$$

S —   ,   ;
h —   (.   .6—10)
(.   .11—13),   .

$?=(10\pm1)$

$\pounds = \dfrac{\triangle}{\triangle} \cdot 100,$ $\pounds_{min} = \dfrac{\triangle min}{\text{^*min}}$.   ;

max $\dfrac{d_{max} - h_{min}}{d_{max}} \cdot 100;$ $h_{min} = d_{max}(1 - \Sigma_{max});$

max $d_{min}(1 - \Sigma_{min}).$

20 % — 50 % ,   . $l_{min} = 0,2;$ $E_{max} = 0,5$ $d_{mm} = 9,$ $d_{max} = 11,$

$$= H(1 - 0,5) = 5,5,$$
$$\wedge = 9(1 - 0,2) = 7,2,$$
$$: $$
$$= 6,2^{+1,0}_{-0,7} \bullet$$

$$*\wedge \quad . \min -^{\wedge 11} \quad *\wedge 1 . \max ^{-} \wedge \min * \quad ^{\wedge 7} ,$$

1,1 —   ,   .

$$-^{u A_d/}_{\max} \qquad \frac{3,14 * lr}{4} = 95 \quad ^2,$$

$$\bar{\bar{m}}\text{in} \quad \frac{l,15_u}{\wedge_{mit}} \qquad \frac{1,1 \bullet 95}{5,5} = 19 ,$$

. e.   19   .

12.   . 6—8   3 %,
                                                                                                                                -
          25 %.
13.   6
. 6.
14.

15.

	5 *d*
$\frac{S}{-} < 0,75$	15 *b*
$\pounds > 0,75$	*6*

16.   -
17.   (.   . 11—13)   -
.   .   -
                                                                                      (23— —
38 105290,   38 105771).
18.   .
19.
.   . 11.
20.   ,   ,   .
21.   ,   10   .
22.   0 °   -
          (50 ± 3) °   (60 ± 5)   24
     (25 ± 10) °   0 ° .
                              ,   0 ° ,   .
          1. (,   . *6).*

2

5   (20,0 ± 1,0)   (20,0 ± 1,0)   -
                        -1500   -750   982 (30   ³
1   ),   859
(50,0 ± 1,0)   (50,0 ± 1,0)   ,   0,15   10   12,5   ,   -
                (24,0 ± 0,5)   (100 ± 2) ° .   -
        ,   .   -
        ,   ,   -
        ,   ,   -
                                .

        10054   14.
                2. (,   .   6).

1. -

2. -
30.12.77 3154

3. 12855-67

4. -

,	,	,	,
9.026-74	4.7	9078-84	5.2
9.029-74	2.10	9557-87	5.2
9.030-74	2.4, 2.10	10054-82	2
263-75	2.4, 2.10, 4.5	10121-76	2.8
270-75	2.10	11358-89	4.1
427-75	4.1	13808-79	2.10
859-2001	4.6, 2	15150-69	, 2.8
982-80	2.5, 2.8, 4.6	15152-69	5.4
1435-99	1	17308-88	5.2
1477-93	1	20403-75	2.4, 2.10, 4.5
1868-88	5.2	21474-75	1
2228-81	5.2	26663-85	5.2
2991-85	5.2	63.30-78	5.2
3282-74	1	63.89-88	5.2
4514-78	5.2	38 105290-81	1
5775-85	2.8	38 105771-85	1
7502-98	4.1	38.401-67-108-92	1
8981-78	1		

5. 2—92 -
, (2—93)

6. (2007 .) 1, 2, 3, 4, 5, 6 (6—81, 5—83, 3—84, 10—85,
10-87, 5-89)