



51760.



2012

27 2002 . 184- « — 1.0—2004 « », »

1 « »; « »

2 385 « - »

3 24 2011 . No 599-

4 51760—2001

( ) « », « ».

— , « ».

|    |                 |    |
|----|-----------------|----|
| 1  | .....           | 1  |
| 2  | .....           | 1  |
| 3  | .....           | 2  |
| 4  | , .....         | 2  |
| 5  | .....           | 3  |
| 6  | .....           | 8  |
| 7  | .....           | 9  |
| 8  | .....           | 9  |
| 9  | .....           | 11 |
| 10 | .....           | 20 |
| 11 | .....           | 20 |
|    | ( ) .....       | 21 |
|    | ( ) , .....     | 35 |
|    | ( ) , , - ..... | 39 |
|    | ( ) .....       | 40 |

Федеральное агентство  
по техническому регулированию  
и метрологии

Федеральное агентство  
по техническому регулированию  
и метрологии

Федеральное агентство  
по техническому регулированию  
и метрологии

Polymeric consumer's containers.  
General specifications

— 2012—07—01

1

, , , , ( — ),— : , ,  
 , , , , , - -  
 , , , , , ,  
 ;  
 : , : ,  
 -

2

2859-1—2007 . . -  
 . 1. -  
 2859-10—2008 . . -  
 . 10. 2859 -  
 11683—2009 . . -  
 51720—2001 . .  
 53228—2008 . 1. .  
 12.3.030—83 . .  
 164—90 .  
 166—89 ( 3599—76) . .  
 577—68 . 0,01 .  
 1770—74 ( 1042—83, 4788—60) . .  
 , , , ,  
 6507—90 .  
 9142—90 .  
 10197—70 .  
 10905—86 .  
 14192—96 .

51760—2011

17527—2003

19360—74

21140—68

24105—80

24888—81

25776—83

« »,

1

{ },  
( )

### 3

17527.

24105.

24888.

3.1 : ( ), -

12 3.

3.2 : , ,

3.3 : ,

( )

3.4 : -

3.5 : ,

3.6 : ,

3.7 : , -

3.8 : , -

### 4

4.1 : 1 : -

4.2 : ,

4.3 : -

21140.

4.4

1—

|  |          |  |           |
|--|----------|--|-----------|
|  |          |  |           |
|  | .1— .15  |  | .34— .41  |
|  | .16—A.2S |  | .42— .47  |
|  | .26— .30 |  | .48—A.S0  |
|  | .31— .33 |  | .51— .52  |
|  | .S3      |  | A.53-A.S9 |

4.5

4.6

( ) . , 1.0 3: ( )  
 — — 1.0:  
 ). 0.2S0 3: ( ) ,  
 — — — 0.2S0:  
 ), 0,200 3: ( ) . « ( — -  
 — — — 0,200:  
 1.0 3: ( ) , -  
 — — — 1.0:  
 1. ( ) , 6,0 3: ( ) .  
 — 1 — — 6.0:  
 2.0 3: ,  
 — — — 2.0.

### 5

5.1

5.2

5.2.1

5.2.1.1

5.2.1.2

- ;
- ;
- ;
- ;
- ;
- ;
- ;

5.2.1.3

5.2.2

2.

2—

|  |  |    |
|--|--|----|
|  |  |    |
|  |  | 70 |
|  |  | 80 |
|  |  | 80 |
|  |  | —  |
|  |  | 05 |

5.2.3

5.2.3.1

3.

1

2

3

).

(



3—

|   |              |     |
|---|--------------|-----|
|   |              |     |
| 1 | 0.5          | 1.0 |
|   | 0.5» 1.5     | 0.9 |
|   | • 1.5 5.0 »  | 0.8 |
|   | • 5.0 * 10.0 | 0.7 |
|   | 10.0 » 12.0  | 0.6 |
| 2 | 0.5          | 0.6 |
|   | 0.5 a 1.S    | 0.S |
|   | 1.5» 5.0     | 0.4 |
|   | 5.0»10.0     | 0.3 |
|   | 10.0*12.0    | 0.2 |
| 3 | 0.5          | 0.3 |
|   | 0.5» 1.5     | 0.2 |
|   | • 1.5» S.0   | 0.1 |
|   | 5.0» 12.0    | 0   |

5.2.3.2

4,

4—

|              |          |           |          |          |        |
|--------------|----------|-----------|----------|----------|--------|
| i            | (arc),   |           |          |          |        |
|              |          |           |          |          |        |
| 0.5          | 167 (17) | 196 (20)  | 98 (10)  | —        | 49 (5) |
| 0.5 » 1.0    | 304 (31) | 343(35)   | 98 (10)  | 245 (25) | —      |
| » 1.0 » 2.0  | 343 (35) | 393(40)   | 147(15)  | 245 (25) | —      |
| » 2.0 « 3.0  | 432 (44) | 491 (50)  | 147 (1S) | 294 (30) | —      |
| » 3.0 » 5.0  | 647 (66) | 736 (75)  | —        | 441 (45) | —      |
| » 5.0 » 8.0  | 775(79)  | 882 (90)  | —        | 530 (54) | —      |
| » 6.0 « 12.0 | 902 (92) | 1030(105) | —        | 616(63)  | —      |

118 (12 ),

— 49 (5 ).

9.81 f~~1

(1)

—  
—  
—

( , 1.2—1.3. )

= 9,81-1.3m HIH (2)

5.2.4

:

= (3J)

— , :

-1.8 —

= 1,0 / 3—

—

5.2.5

5.2.5.1

(70 ± 5)

5.2.5.2

(70 ± 5)

95 %

( )

5.2.6

5.2.6.1

5.2.6.2

- 3 %

(22 ± 4) \*

- 0,5 %

(22 ± 4) \*

28 ;

• 1 %

(40 ± 3) \*

28

%

5.2.6.3

—

—

—

5.2.7

5.2.8

( . 5.2.3. 5.2.4)

2

(40 ± 3)

5.2.9

( . 5.2.3,5.2.4)

2

( 25 ± 2) \*

5.3

180 .



5.6.4

• / - ;  
- / ( / );  
- ;  
- ;  
• , .

5.6.5

14192 /

5.6.6

5.6.4.

5.6.7

14192

: «

», « » . « » . « » , « » .

5.7

5.7.1

51720

19360

9142

25776

5.7.2

5.7.3

5.7.4

21140

5.7.5

9142 ( 2.2.4).

5.7.6

( ) ,

\* 9.8 - ( { - 1) - iyW}). <4}

X—

1.2—1.3;

N—

5.7.7

6

6.1

12.3.030.

6.2

150 —250

6.3



AQL.

8.5

8.6

6.

6.

6—

|    | AOL - 6.5 % | AOL * 2.5 % | AQL - 1 % |   |   |
|----|-------------|-------------|-----------|---|---|
|    |             |             |           | * |   |
| 1  | X           |             |           |   | — |
| 2  | X           |             |           |   | — |
| 3  | X           |             |           |   | — |
| 4  |             | X           |           |   |   |
| 5  | X           |             |           |   | — |
| 6  |             |             | X         | + | — |
| 7  |             | X           |           | — |   |
|    |             | X           |           | — |   |
| 9  | X           |             |           | — |   |
| 10 | X           |             |           | + | — |
| 11 | X           |             |           | — |   |
| 12 |             | X           |           | — |   |
| 13 | X           |             |           | — |   |
| 14 | X           |             |           | — |   |

1 «X\* , «+• — : «—» —

2 « » , 40\* .

8.7

6.

8.8

8.8.1

2859-1

2859-10.

8.8.2

8.8.2.1

8.8.2.2

•

•

•

•

•

•

8.9

8.9.1

8.9.2

•

1

2859-1

•

2-

2859-1

AQL

( )

(Re);

•

•

•

•

•

-

Re.

8.9.3

3-

2859-1.

8.9.4

-

8.10

## 9

9.1

9.1.1

9.1.2

(6515) %.

(22 ±4)®

9.2

( )





9.5

9.5.1

- 
- 
- 

53228;

1770;

\*

9.5.2

9.5.2.1

{22 ±4} \*

9.5.2.2

(22 14) \*

5 %

9.6

9.6.1

9.6.2

53228.

9.7

9.7.1

9.7.2

95 %

(22 ± 4) \*

7.

7—

|  |   |   |   |
|--|---|---|---|
|  |   |   |   |
|  |   | / | , |
|  | — |   |   |
|  | — |   | — |
|  |   | — |   |
|  |   | — |   |

|  |   |   |   |
|--|---|---|---|
|  |   | / | , |
|  |   | — |   |
|  | — | * | — |

1 «+» , «—» —  
2

9.7.3

9.7.3.1 —

0,02 3.

9.7.3.2

1.

2.

15 .

9.7.4

7. ( )

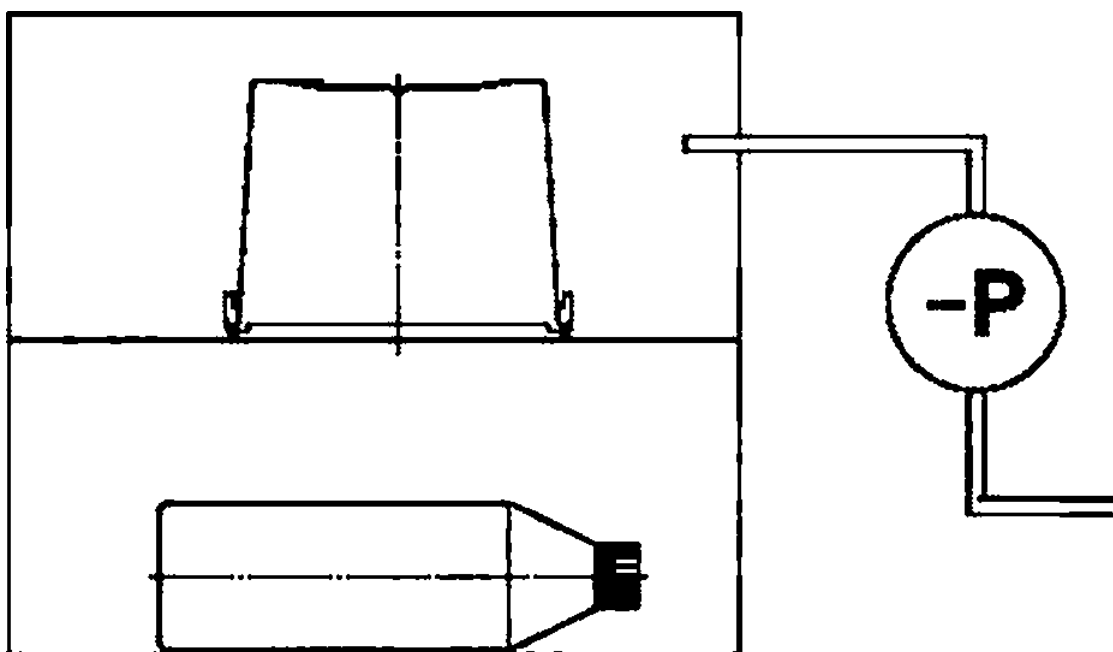


Рисунок 1 — Контроль герметичности тары в вакуумной камере

2 .

9.7.5

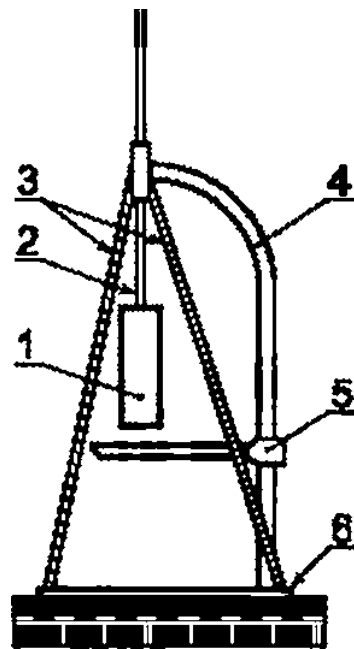
9.7.6

9.8

9.8.1

2.

80



f— :3— :4— .5— ( : — );?—  
2—

9.8.2

(2214) \*

(22±4) \*

3

4

9.8.3

2 %.

9.8.4

( )

9.9

9.9.1

10 000 ( 0 1000 ) 1 200 / 1 % 0

9.9.2

( ) 8.

| 0.5           | 30  | 100 | 30  | —   | 30  | 30  | 100 |
|---------------|-----|-----|-----|-----|-----|-----|-----|
| . 0.5» 1.5 >  | 100 | 100 | 100 | 100 | 30  | 30  | 100 |
| • 1.5* 5.0 »  | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| • 5.0» 12.0 » | 100 | 100 | 100 | 100 | —   | 100 | 100 |

4.

9.10

( . )

( . 5.2.4)

120—130 (

6 .

9.11

9.11.1

9.11.2

9.11.3

(70 ± 5) \*

(22 ± 4) \*

30

|            |  |  |            |            |     |
|------------|--|--|------------|------------|-----|
| 8          |  |  |            |            | -   |
| 50 *       |  |  |            |            |     |
| 9.11.4     |  |  |            |            |     |
| 95 %       |  |  | (70 ± 5) * |            |     |
|            |  |  |            | (22 ± 4) < |     |
|            |  |  | ( ) ,      |            | -   |
| 8          |  |  |            |            | -   |
| 50 *       |  |  |            |            |     |
| 9.12       |  |  |            |            | -   |
| 8          |  |  |            |            | -   |
| 8          |  |  |            |            | -   |
| 9.13       |  |  |            |            |     |
| 9.13.1     |  |  |            |            |     |
| 10         |  |  |            | 9.1.2,     |     |
|            |  |  |            |            | -   |
|            |  |  |            | 28         | -   |
| (40 ± 3) * |  |  |            |            |     |
| (22 ± 4) « |  |  |            |            |     |
| 9.13.2     |  |  |            | (40 ± 3) * |     |
| 28         |  |  |            |            | ( - |
| )          |  |  | (22 ± 4) * |            |     |
| 6          |  |  |            | /          |     |
|            |  |  | 28         |            | -   |
|            |  |  |            |            | -   |
| 5.2.6.3.   |  |  |            |            |     |
| 9.14       |  |  |            |            |     |
| 9.14.1     |  |  |            |            |     |

|          |          |       |            |                        |           |
|----------|----------|-------|------------|------------------------|-----------|
|          |          |       |            | 9.1.2.                 |           |
|          |          |       | ( )        | 9.13.1                 | -         |
|          |          |       |            |                        | -         |
|          |          |       |            |                        | -         |
|          |          |       | ( ), 28    |                        | -         |
| 9.14.2   |          |       | ( )        |                        | -         |
|          | (22 ±4)* | 28    | (40 ± 3) * | 28                     | ( -       |
|          |          |       | (22 ± 4)   |                        | ( -       |
|          |          |       |            | /                      | -         |
|          |          |       | 28         |                        | -         |
| 9.14.3   |          |       | ( ),       |                        | -         |
| . %.     |          |       | ^          | $\frac{j^{\infty}}{0}$ | (5)       |
|          |          |       | ( )        |                        |           |
|          |          |       | ( )        |                        |           |
|          |          |       | ( )        |                        |           |
|          |          |       | ( )        |                        |           |
| 5.2.6.2. |          |       |            |                        |           |
| 9.14.4   |          |       |            |                        |           |
|          | 5.2.6.3. |       |            |                        |           |
| 9.15     |          |       |            |                        |           |
| 9.15.1   |          |       |            |                        | (22 ±4) * |
| 8 .      |          |       |            |                        |           |
| 9.15.2   |          |       |            |                        |           |
|          |          | 10    |            | 100                    | 10        |
|          |          |       |            | 5.5                    | 5.7 N/25  |
|          |          | 180*. | 50—60      |                        |           |



10

10.1

/

1

( 5 \* , 30 \* ).

5 \*

20 % 80 %.

10.2

10.3

10.4

10.5

(

10.6

)

5 \*

11

12

\*

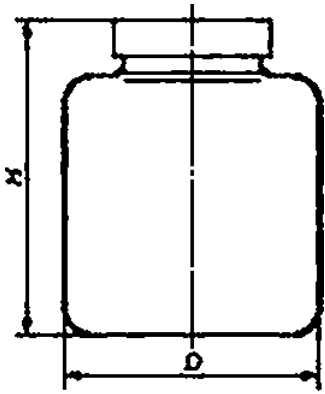
6

12

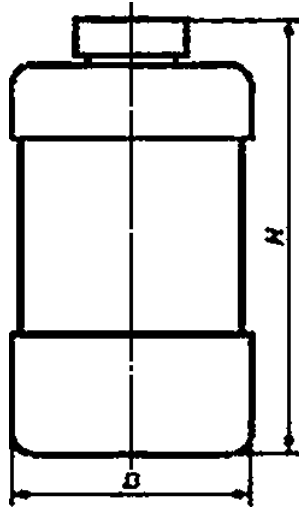
\*  
\*  
\*  
\*  
\*



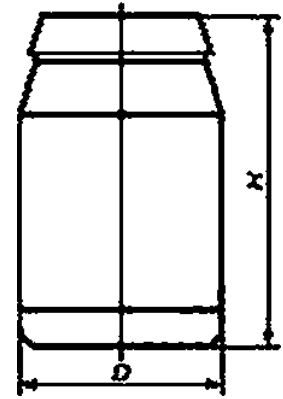
( )



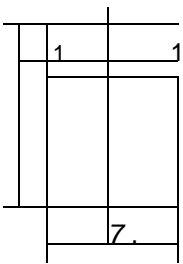
.1



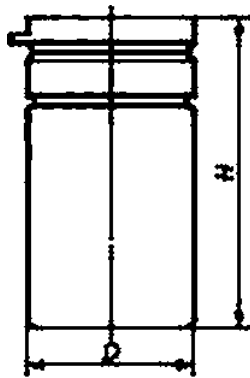
.2



.3

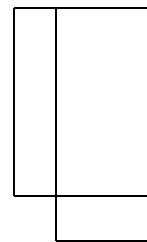


4



Банка БНЦ

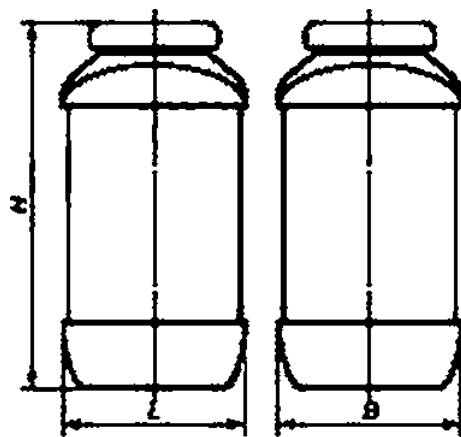
.5



.6

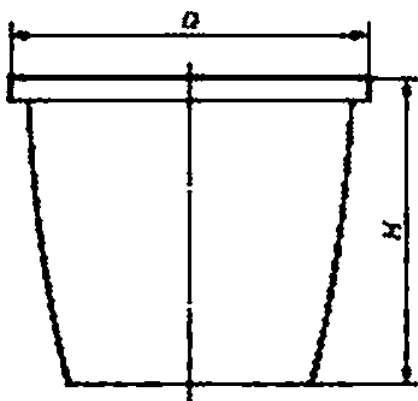
|  |     |   |
|--|-----|---|
|  | ZT' |   |
|  |     | * |
|  |     |   |
|  |     |   |
|  |     |   |
|  |     |   |
|  | L*  |   |

.7

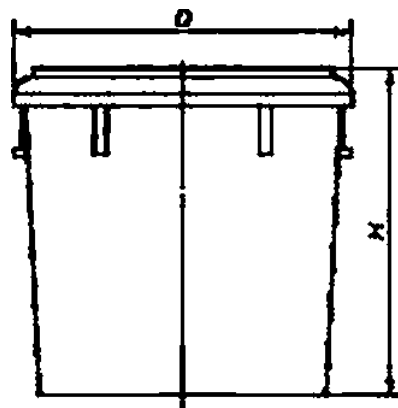


Банка БНП

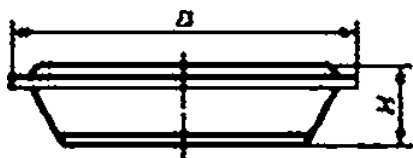
.8



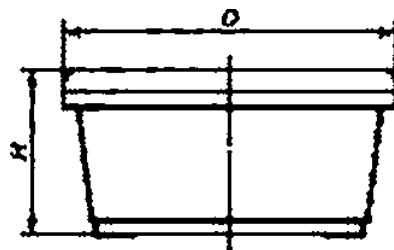
.9



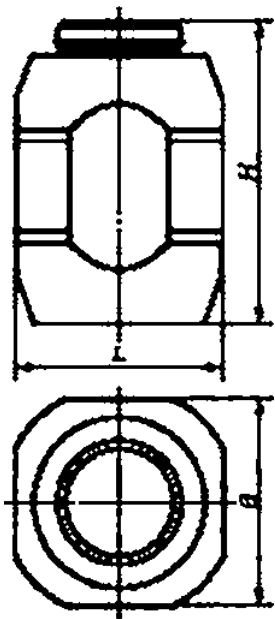
Банка БНК



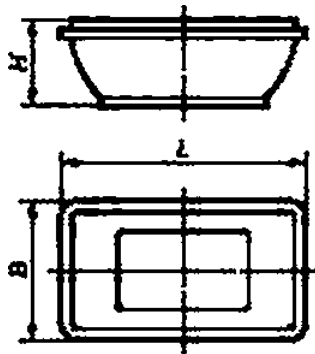
.11



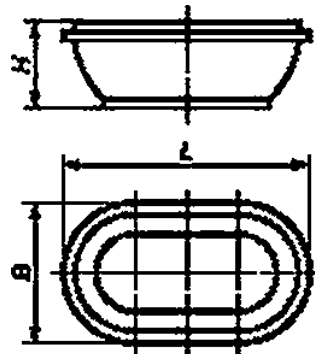
.12



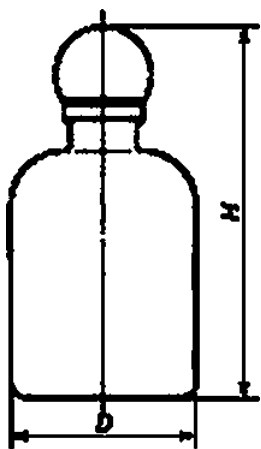
.13



.14



.15



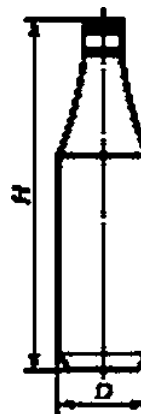
Бутылка БТЦ

.16

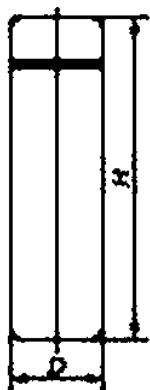
*I*

5TU

.17



.18

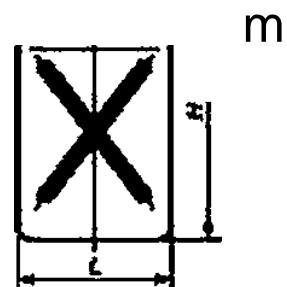


Бутылка БТЦ

.19

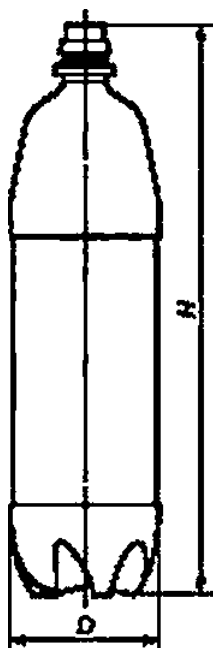


.20

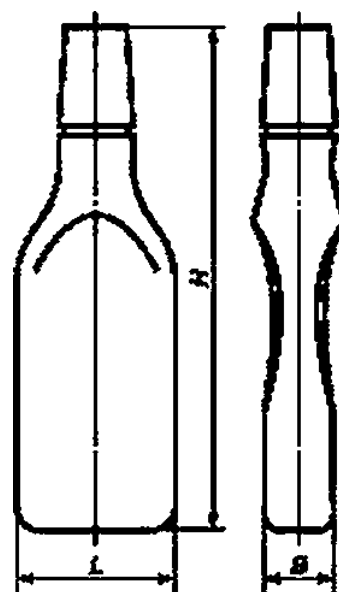


.21

\\*



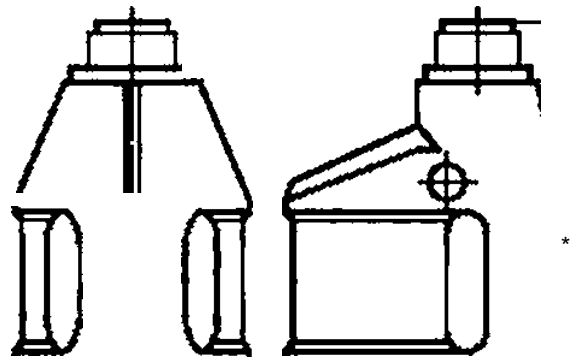
.23



Бутылка БТФ

.24

.22

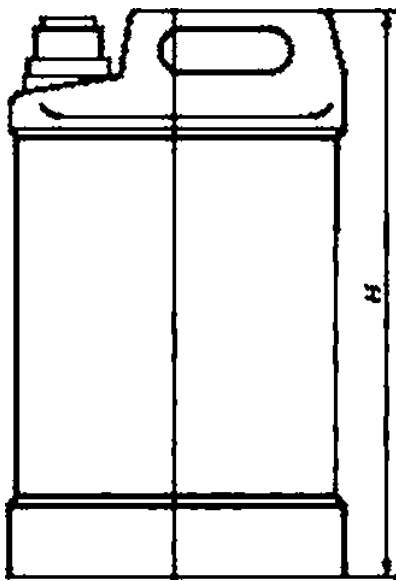


J

j

6

.25



|       |          |
|-------|----------|
| _____ | «        |
|       | %        |
| _____ | <b>L</b> |

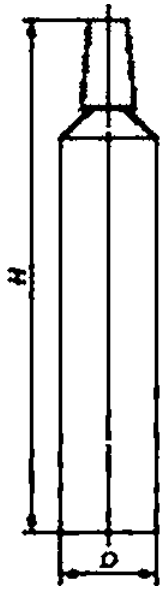
|  |   |
|--|---|
|  |   |
|  | 4 |
|  |   |

|          |  |
|----------|--|
| ----- =? |  |
|          |  |
|          |  |
|          |  |

.26

.27

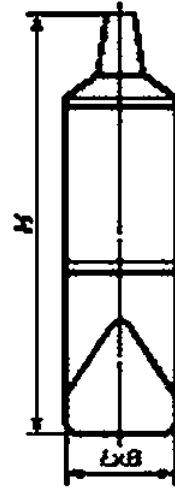




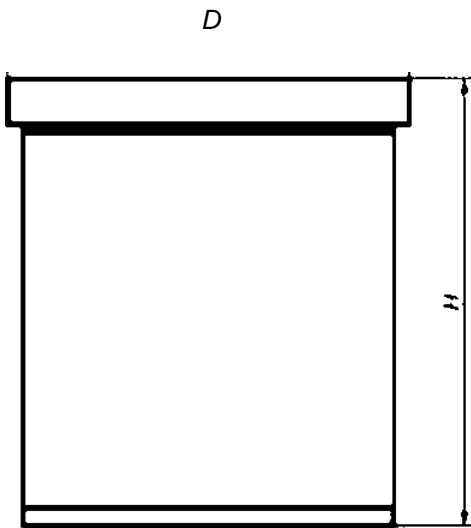
. 1



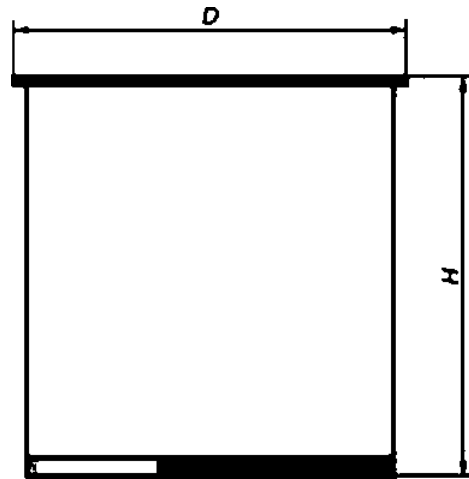
.32



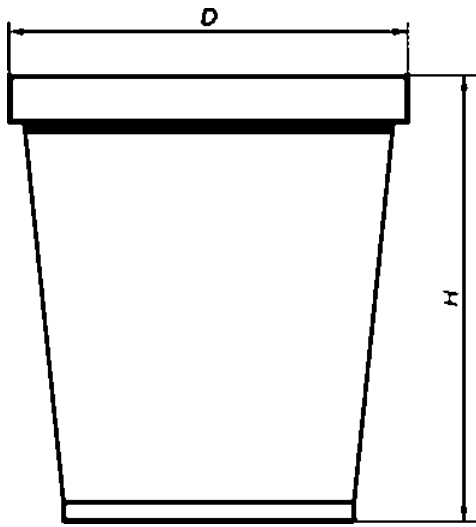
.33



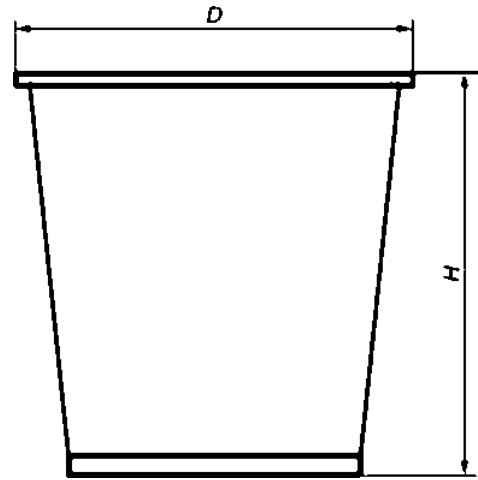
. 4



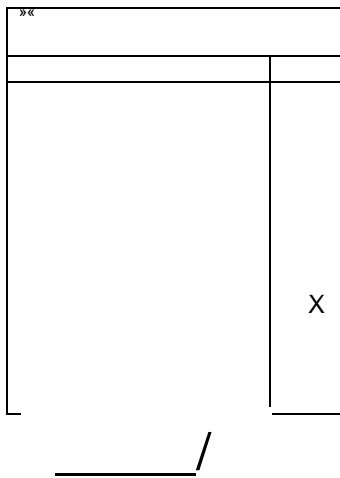
.35



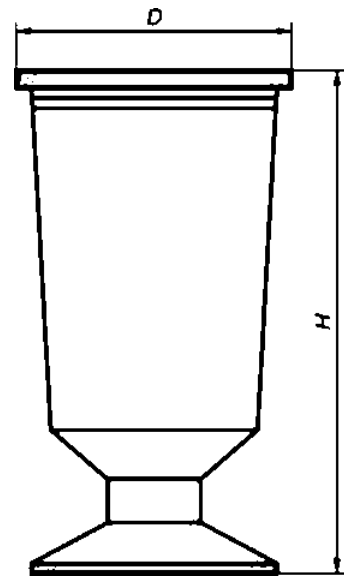
.36



.37

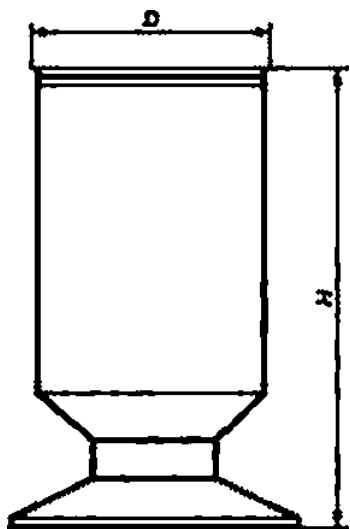


A.3S



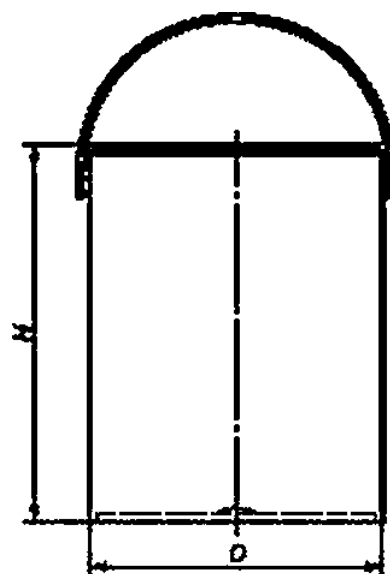
.39





.40

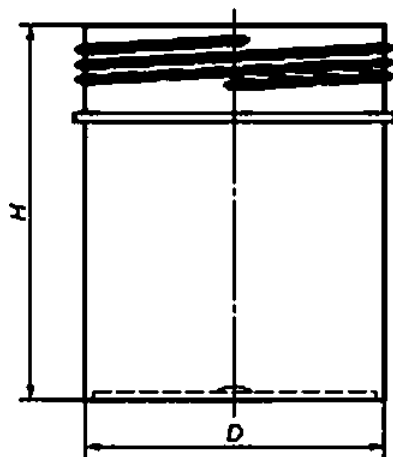
\\27



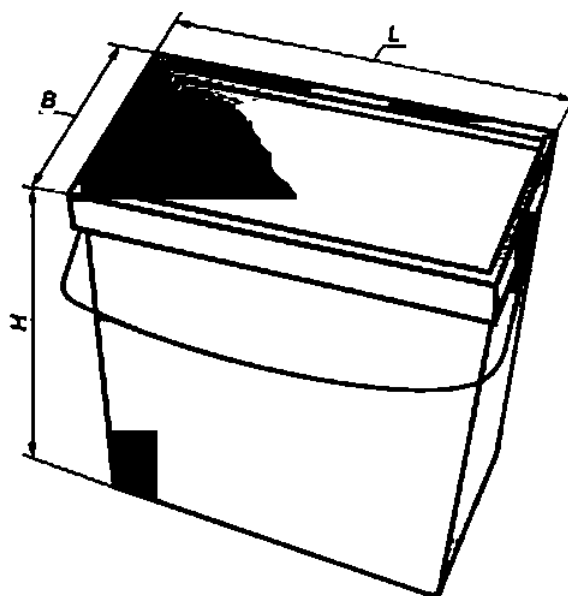
Ведро ВЦ

.41

Рисунок А.42

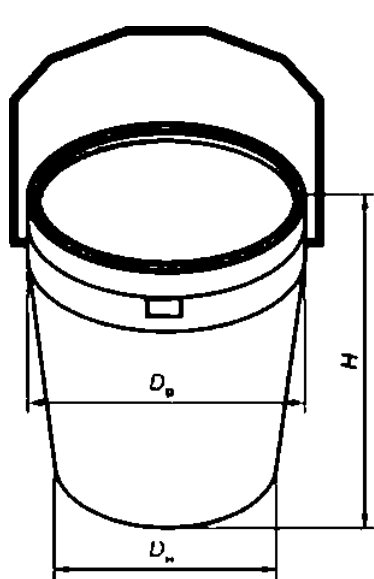


.43

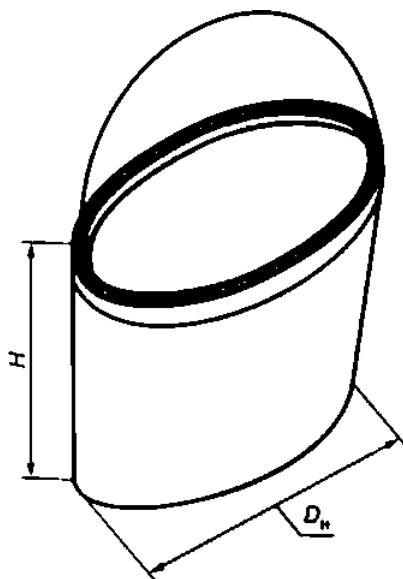


8

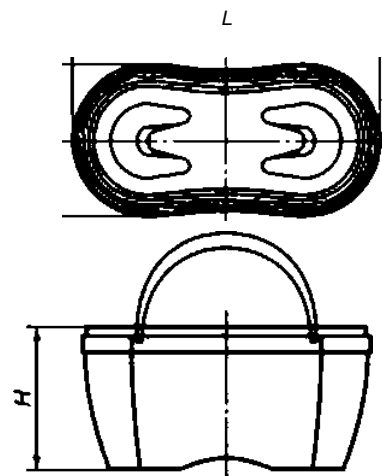
.44



.45

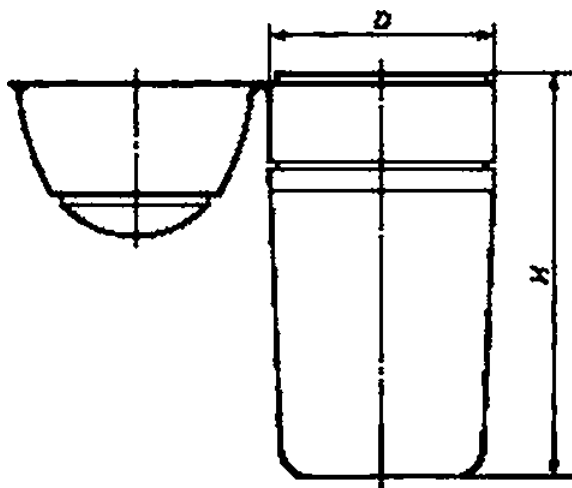


.46

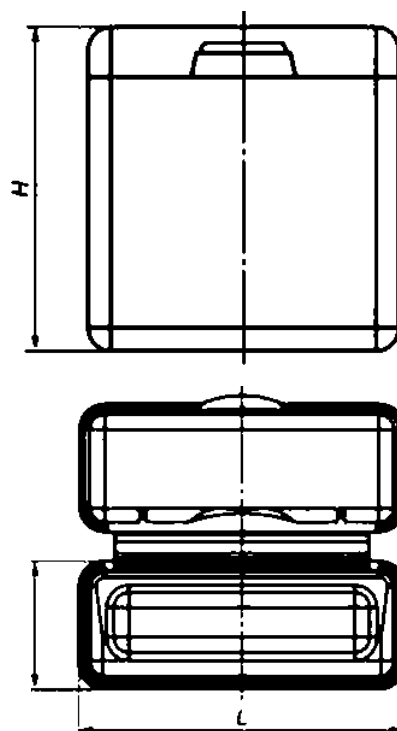


Ведро ВФ

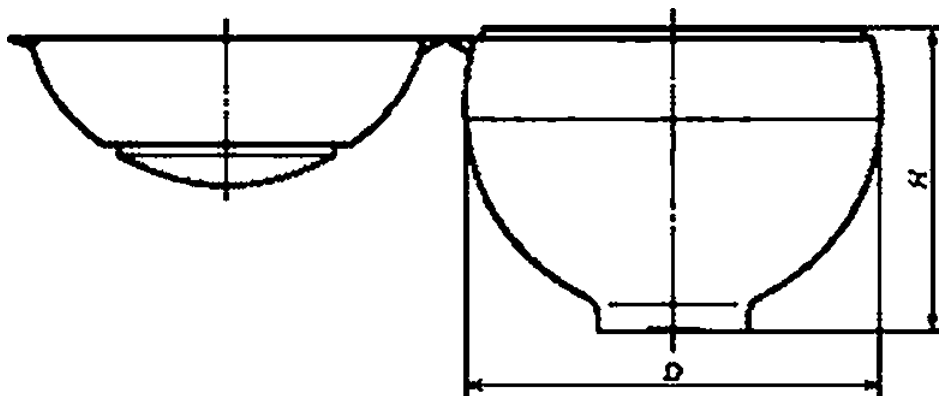
.47



.48

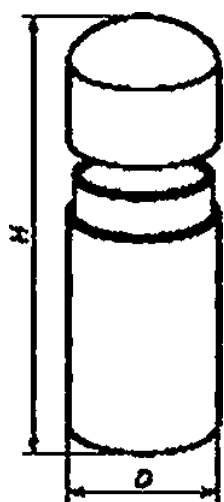


.49



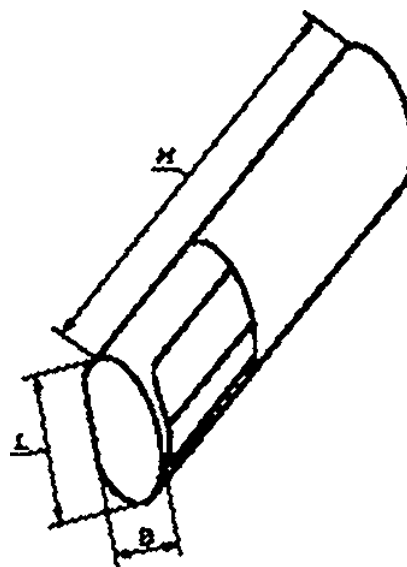
Коробка КРБΦ

.50

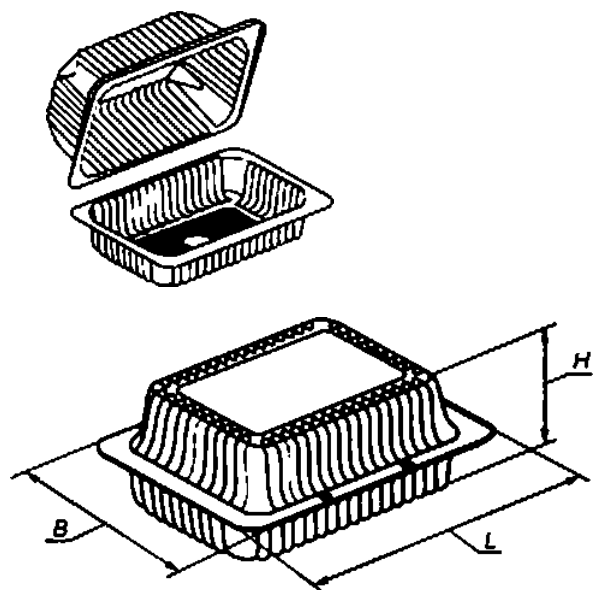


Пинал ПНК

.51



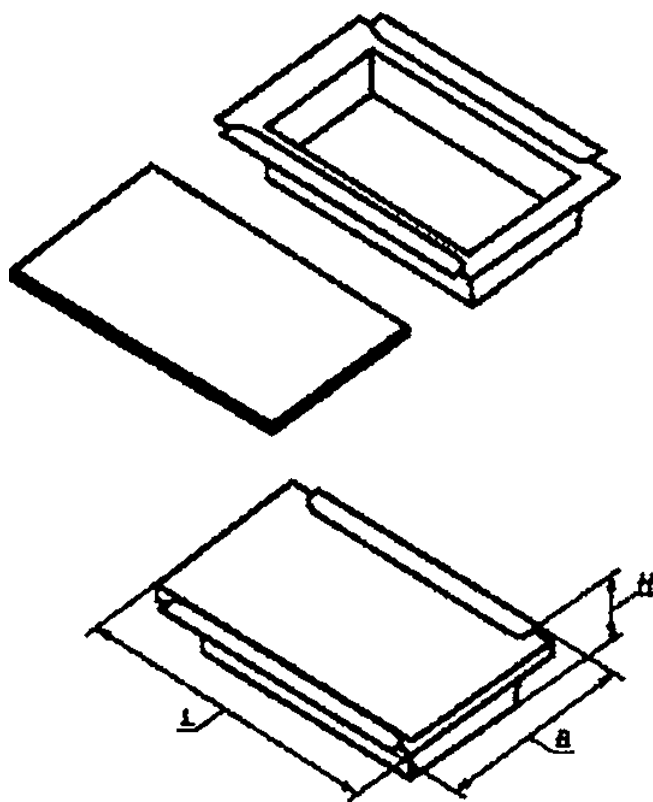
.52



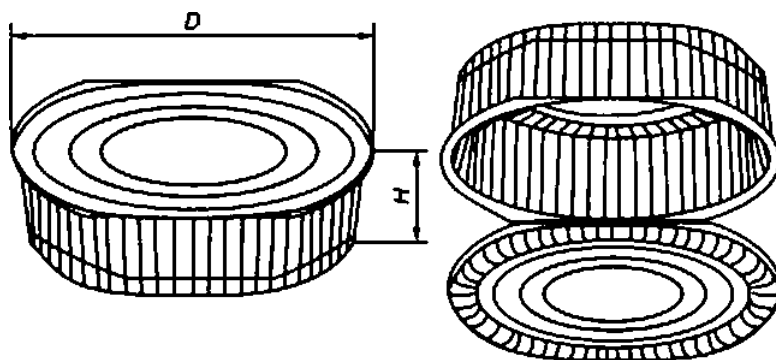
Коробка КРБП

Рисунок А.53

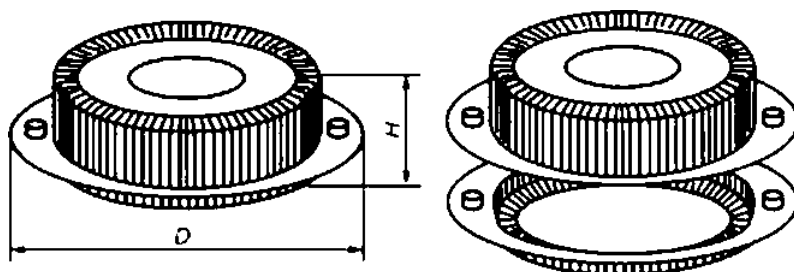
.54



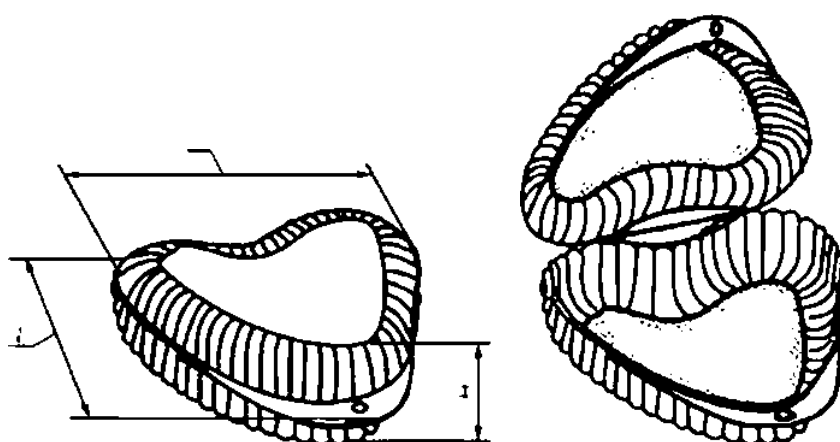
.55



.56

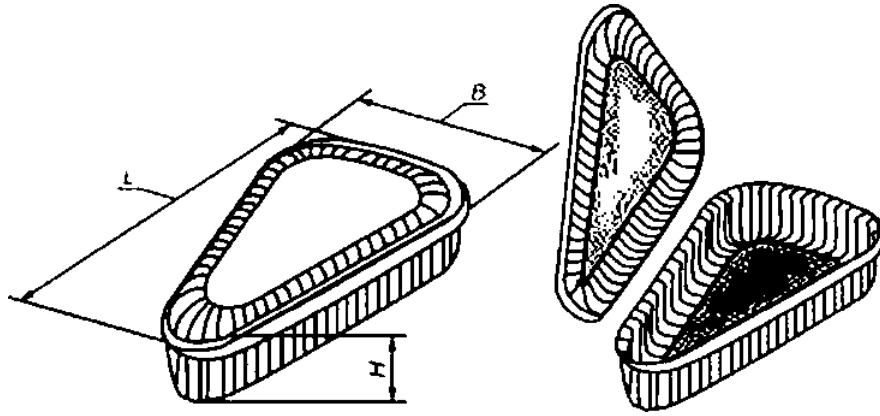


A.57



Коробка КРБФ

Рисунок А.58



.59

( )

6.1

|     | >  | 6 0   | .0   |     | nex/pvc | /  | /  | / \$ |
|-----|----|-------|------|-----|---------|----|----|------|
| 1   | 2  | 3     | 4    | 5   |         | 7  |    | 9    |
| *   | 44 |       | ++   | 44  | 44      |    | 44 | 44   |
| :   |    |       |      |     |         |    |    |      |
|     | ++ | ++    |      | ++  | **      |    | ++ | +    |
|     | ++ | ++    | +    | ++  | **      |    | ++ | ++   |
| **  | 44 | 44    | 44   | 44  | 44      | 44 | ¥* | 44   |
| **  |    | 4*4*  | 4*4- |     | 44      | 44 |    |      |
| **  | 44 | 4*    | 4+   | 44* | 44      | 44 | 44 | 44   |
| **  | 44 | 44    | 4*   | 4*4 | 44      | 44 | 44 | 44   |
| , - |    | » ◊ ^ |      |     |         |    |    |      |
| -   |    | » ◊ ^ |      |     |         |    |    |      |
|     | 44 | 4*    | 4    | 4   | 44      |    | 4  | 4    |
|     | 44 | ++    | 4    |     | -       | 44 | 4  | 4    |
|     | ++ | ++    | +    |     |         |    |    | ++   |
|     |    |       |      |     | .       |    | +  |      |
|     |    | +     |      |     | .       |    | 4  | 44   |
|     |    | —     | 4    | —   |         |    | 4  |      |
|     | 44 |       | 4*   |     |         |    | 4  |      |

< >

6 1

|             |    | /HOPG | 0   | / | /PVC |   |   | HCJPS |
|-------------|----|-------|-----|---|------|---|---|-------|
| 1           | 2  |       | 4   | 5 |      | 7 |   | 9     |
|             |    | • «   | • « |   |      |   |   |       |
| 10%         |    | -     | -   |   | +    |   | - | -     |
| 30 %        | ++ | —     | -   | - |      |   | — |       |
| 37 %        | ++ |       |     |   | *+   |   |   |       |
| 40 %        | ++ |       |     |   |      |   |   |       |
| ( )         |    |       |     |   |      |   |   |       |
| ( ) 1 %     | ++ |       |     |   |      |   |   |       |
| ( ) 5 %     |    |       |     |   |      |   |   |       |
| ( ) 10%     |    | -     | -   |   |      |   | - |       |
|             |    | -     | —   | - | -    |   |   | -     |
|             | ++ |       |     |   | -    |   |   |       |
|             |    |       | -   |   | ~    |   | + |       |
|             |    |       |     |   | -    |   |   |       |
| 3 %         |    | • «   | •   |   |      |   |   | +     |
| 25 %        |    | -     | —   | - | «-«• | — | + | +     |
| 98 % — 100% |    |       |     |   |      |   |   |       |
| 10 %        |    |       |     |   | -    | — |   | >     |
| 40 %        |    |       |     |   | -    | - |   | —*    |
| { } 70 %    |    |       |     |   |      |   |   |       |
|             | -  |       |     |   | -    |   |   |       |
|             |    | -     | -   | - | -    | - | - |       |

51760—2011

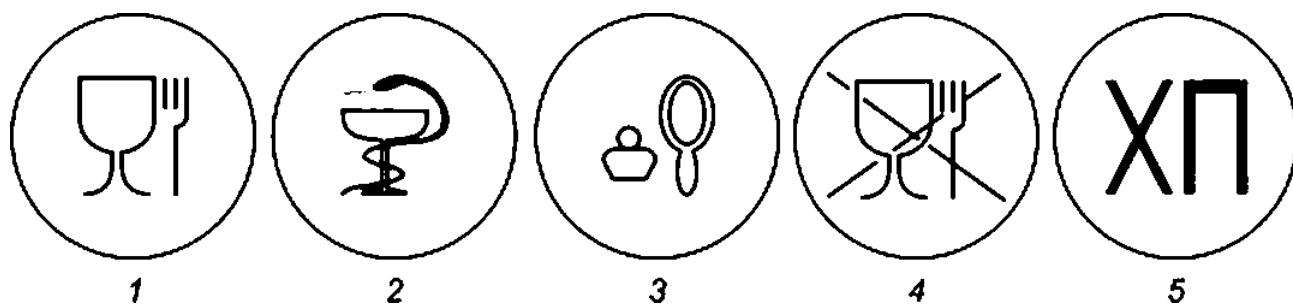


## S.1

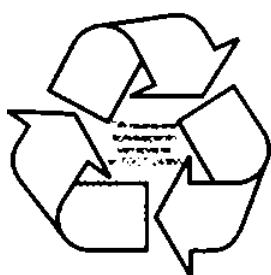
|               |    | / 0 | .0  | /110 | nex/pvc |   | « | OCj PS |
|---------------|----|-----|-----|------|---------|---|---|--------|
| 1             | 2  | 3   | 4   | 5    | 6       | 7 | 8 | 9      |
| W %           | ++ | • « | . « |      |         |   |   |        |
| 70 %          |    | • 6 | «   |      |         |   |   |        |
|               | •• |     |     |      | -       |   |   |        |
| 1 % — 5 %     |    |     |     |      |         | - |   |        |
| 25 %          |    |     |     |      |         | - | - |        |
| 50 %          | +  |     |     | +    |         |   |   |        |
| 85 %          | ++ |     |     | ++   |         | - | - |        |
|               | •• | .   |     |      | -       |   | - |        |
| 1 % — 6 %     | +  | +   | +   | +    | ++      |   |   |        |
| 16%           | ++ | ++  | +   | ++   | +       |   |   |        |
| 30 %          |    | +   |     |      |         | - |   |        |
| 50 %          | ++ |     | ++  | 1 4' | 4-4     |   |   |        |
| 60 %          |    | -   | -   | -    |         | - | - |        |
| 80%           |    |     |     |      |         |   |   |        |
| 08 %          |    |     |     |      |         |   |   |        |
| 8 %           | •• | +   | +   | ••   |         |   |   |        |
| 30 %          | •• | +   |     | ••   |         |   |   |        |
| 75%           | •• | ••  |     |      |         |   |   |        |
| 98%           | •• |     |     |      | .       | - |   |        |
| * <3<br>HNOj) | -  | -   | -   |      | -       | - | - |        |
|               | .  |     |     | *    | .       | . |   |        |
| 5 %           |    |     | +   |      |         |   | + |        |



( )



1 — :2— :3— .4—  
 .5— .1—



а



б

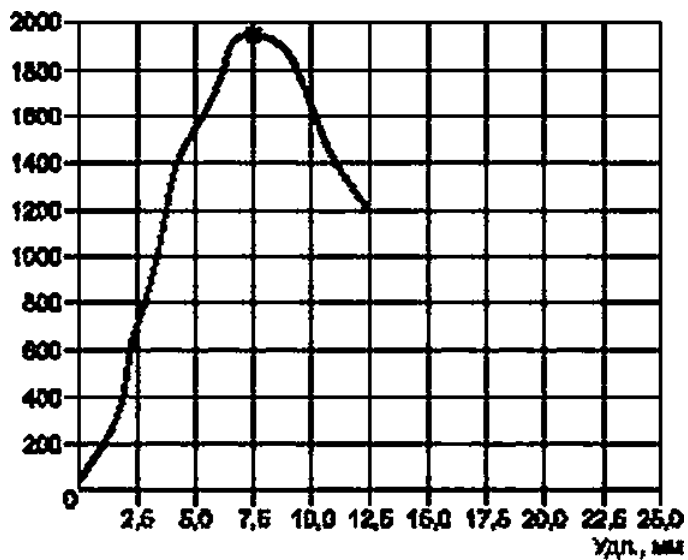


в

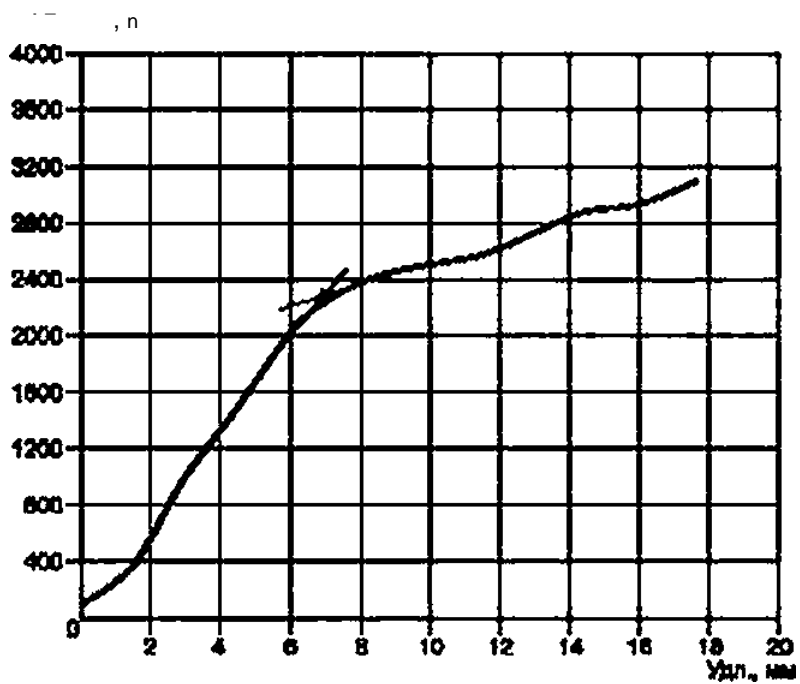
—« », ( ) : — , )

8.2—

( )



.1



.2

621.798.1:678.5:006.354

55.020

22 9700

:  
, , , , , , , -  
,

£. .

.8.

.06.2012.

09.07 2012.

60 64

. . . 5.12. .- . . 4.50. 161 . . 609.

« . 123995 . . . 4.

www.90slmlo.ru info@90slinlo

« »

« » — . « » . 105062 . . 6.