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1 - 2 « »

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**THE PROBLEM OF POLYETHYLENE TEREPHTHALATE WASTE DISPOSAL
AND MODERN METHODS FOR ITS RECYCLING**

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Abstract. *The article touches upon the issues of waste disposal and reuse of used polyethylene terephthalate products, which have both economic and environmental significance.*

Keywords: polyethylene terephthalate, utilization, destruction, recycling.

[1].

[2]

1,7
, 80 %

10 %

90-

, 10 %

).

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[1].

50
[3, 4].

[5-10].

[3].

[11]:

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-
-

[12].

a)

[3, 11].

[5, 6-11, 13].

()

[5, 6-11, 13].

6-10

10 %),

- 500

[3].

« » ,

[5, 6, 11].

3-10

130 °

0,02-0,05 %,

260-280 280 °

130-140 °

50 °

591 ° (= 0,1 / ³), (= 30 / ³), 185 ° (= 5 / ³),

0,3 %- Irganox 1010 c Irgafos 168,

Tinuvin-770, Chimassorb-944 (0,2 %).

17 1992

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[14-17].

(100:5) [16].

4,0-5,3

275 °C 40

[17].

[18-25] (

) () , (

, (15) . ~220 °C -
 . [19]. (-
), [20]. -
 , [21]. -
 . [22] 350–400 ° 25–30 . -
 30 , -
 99 % . -
 . , -
 0,015–0,047 1 [23]. -
 [46], 0,001–0,01 -
 [25]. 0,05–2,0 % -
 ,) , (-
 . [26]. -
 . (, -
 .) [26]. , -
 . 100–180 °C -
 30–180 , [27]. -
 , [28]. -
 , [29]. -
 [30] , -
 , [30] -
 . -
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