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BLOCK-COPOLYESTERS BASED ON 4,4 -DIOXYDIPHENYLPROPANE BISCHLOROFORMATE

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Abstract. Using high-temperature and low- temperature polycondensation methods, block copolyesters based on oligoesters and bischloroformate were synthesized and their properties were studied. The dependence of properties on the composition and structure of oligoesters is shown. An increase in the content of oligoether-formal leads to an increase in the stability of block copolyesters in alkaline environments.

Keywords: oligoesters, polycondensation, block-copolyesters, bischloroformate, properties

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[3–5].

[6–8].

[3–5, 9].

[4, 5].

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4,4 -

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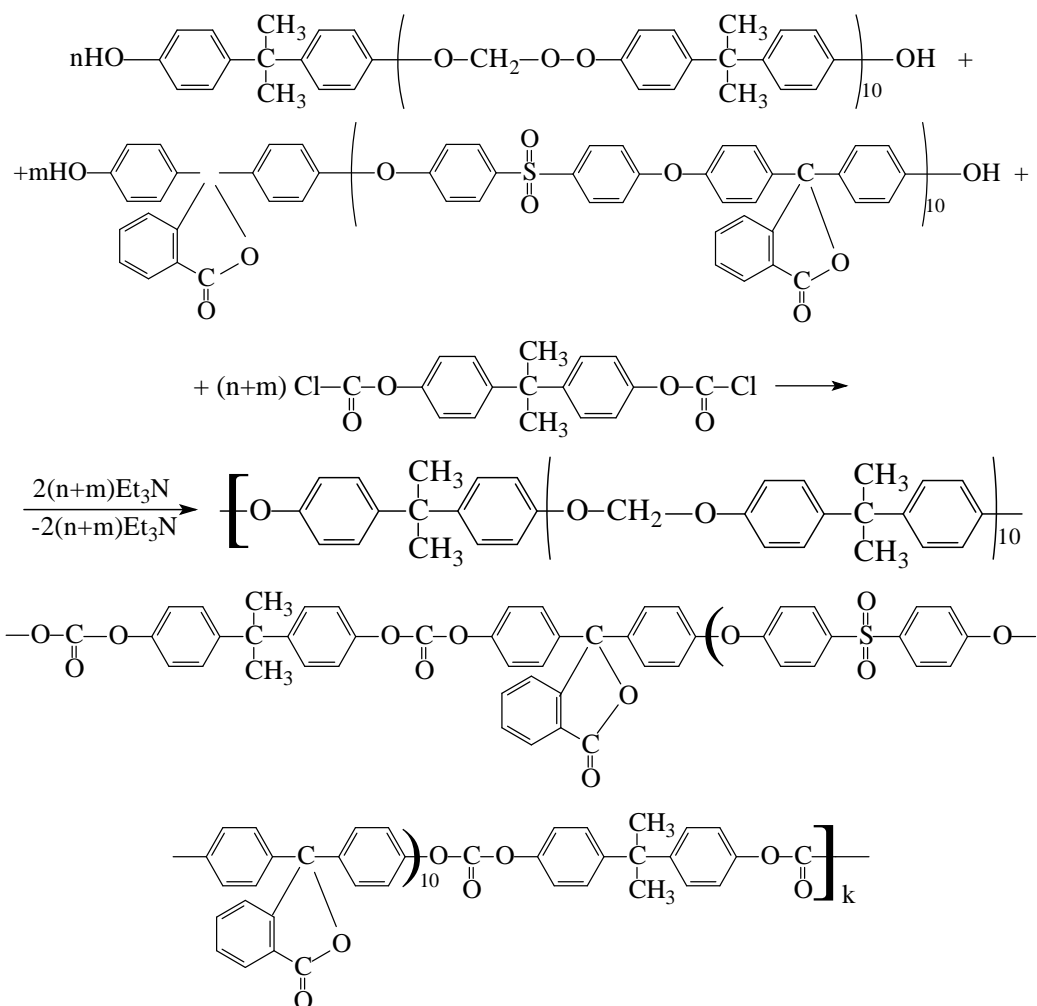
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$$n = \frac{1}{q} \quad q = \frac{N_1}{N_2} - 1,$$

$N_1 -$

$; N_2 -$

$; q -$



$; 1010 \quad 1260 \quad ^{-1}$
 $; 1320 \quad ^{-1} -$
 $; 1720 \quad ^{-1} -$
 $2900-2950 \quad ^{-1} -$

$3500-3600 \quad ^{-1},$

$1,4-$

$(1,276-1,352) \times 10^3 \quad ^{-1} / \quad ^3$

$5 \quad \%$

$(\text{tg} = 0,005-0,008; = 2,8-2,9$

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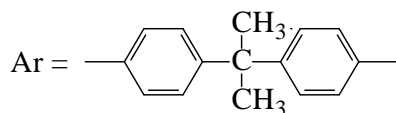
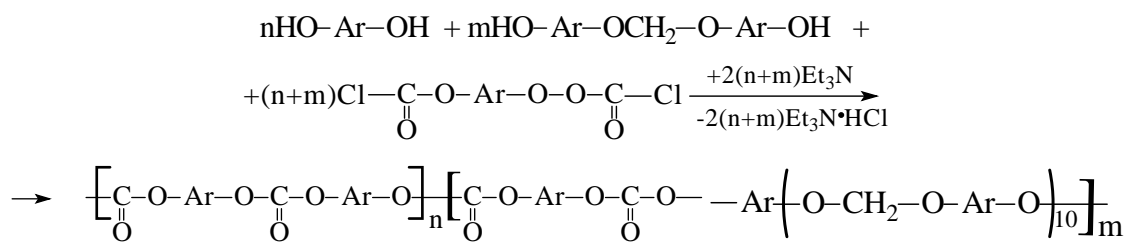
$; \text{tg} = 0,0075-0,026; = 2,72-2,9$

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$(383-493$

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4,4 -
(0-70 . %).



10 . %

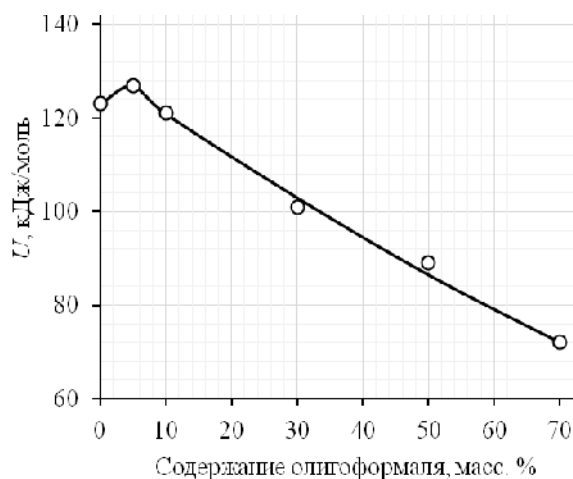
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(I),

$$U = \frac{2,303RT_1T_2}{(T_2 - T_1) \ln \left(\frac{v_2}{v_1} \right)},$$

R -

$${}_1 = 10^3; \quad {}_2 = 10^4.$$



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10 %

423 383
10 %

25-40

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