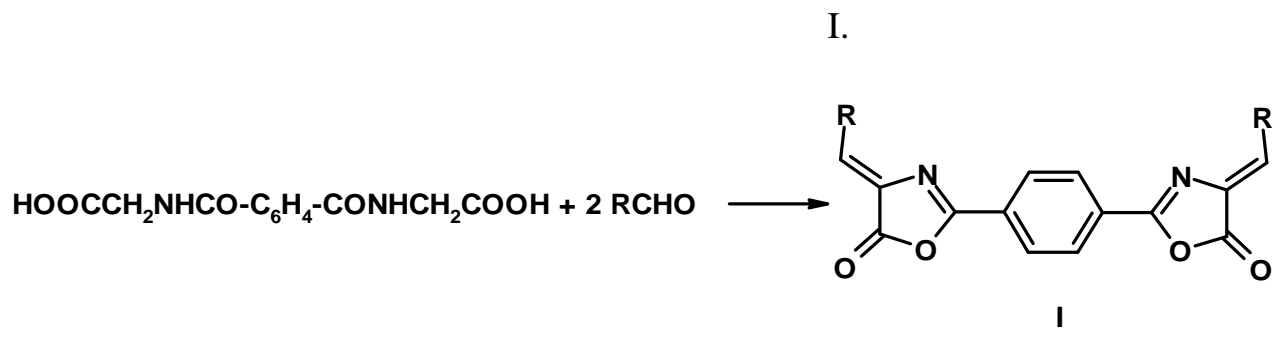


• • , • • , «
 » , • • , • • , • •
 , • • , • • , « » , •

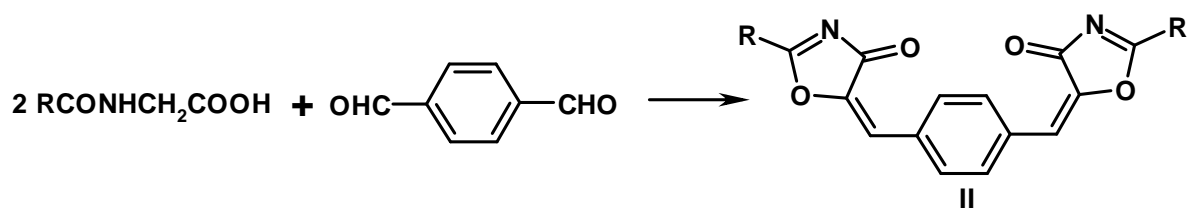
Symmetric bifluorophoric substances oxazolones derivatives as effective organic luminophores were obtained. Comparative investigation of spectral-luminescent properties of obtained substances with analogous mono derivatives were made.

, , -
 , -
 , -
 [1].
 , -

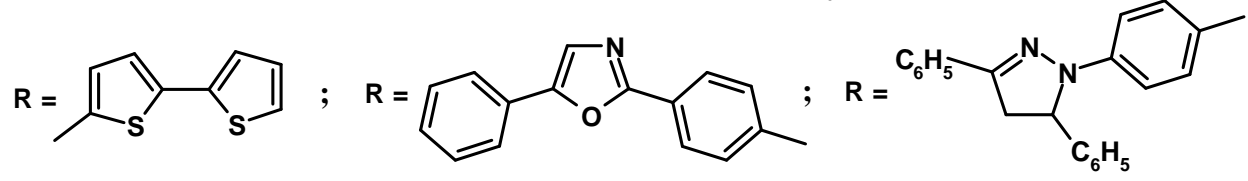


II,
 I II , -

[1, 2].



I, II R = C₆H₅; R = C₆H₄N(CH₃)₂; R = C₆H₄SO₂CHF₂;



I, II.
 1580 – 1850 ⁻¹
 1800 ⁻¹
 1770 ⁻¹
 1650 – 1660 ⁻¹
 C=N.

[2].

I, II

(III)

II

2-

-4-

-5-

(70)

(95)

I

II

-

.

-

-

I II.

1

-

-

I, II

2

-

III

.

I,

-

,

-

,

.

-

-

-

-

-

-

(

.

. 1).

I,

-

.

,

-

(

-

. I, II,)

-

.

,

,

-

,

I,

-

,

.

-

-

-

-

II,

.

-

4,

2-

-

.

-

I,

(. III

III).

:

,

-

,

III,

III,

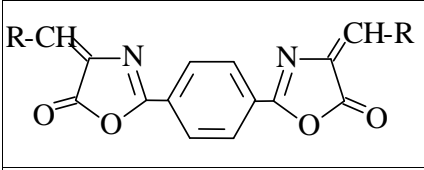
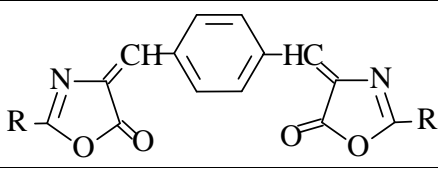
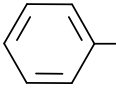
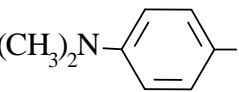
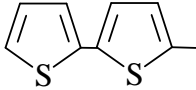
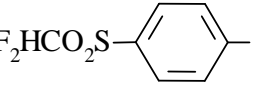
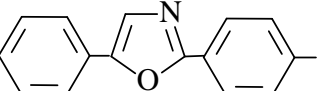
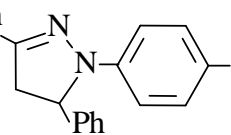
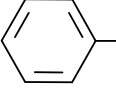
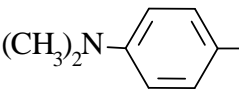
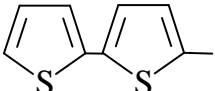
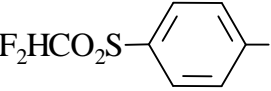
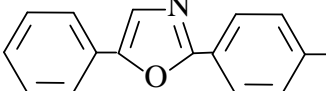
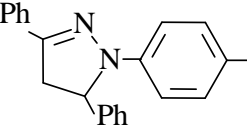
I III,

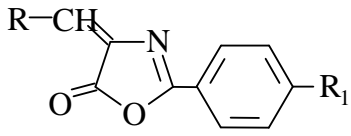
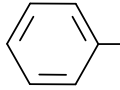
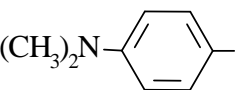
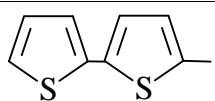
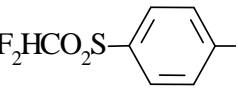
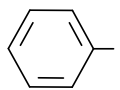
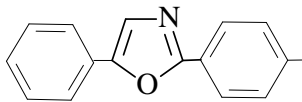
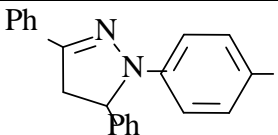
,

-

,

-

	λ (ε)	λ (η)	
R	(ε)	(η)	R
Ia 	350 (3.20) 405 (4.83)	480 (0.10)	
I 	320 (2.00) 475 (7.38)	480 (0.10)	
I 	305 (1.12) 460 (6.73)	480 (0.20)	
I 	350 (3.30) 405 (5.66)	485 (0.15)	
I 	310 (1.80) 405 (5.90)	590 (0.50)	
I 	350 (2.90) 510 (7.12)	610 (0.28)	
	340 (2.00) 430 (7.25)	515 (0.20)	II 
	305 (8.89) 420 (0.90)	585 (0.15)	II 
	330 (2.18) 485 (7.15)	580 (0.30)	II 
	360 (2.93) 440 (5.87)	520 (0.27)	II 
	340 (2.90) 445 (6.32)	540 (0.43)	II 
	365 (2.50) 515 (7.55)	630 (0.30)	II 

		λ . . . (ε)	λ . . . (η)
R	R ₁		
IIIa 	H	360 (3.90)	420 (0.01)
III 	H	305 (1.20) 470 (5.50)	510 (0.01)
III 	H	300 (1.54) 455 (4.88)	515 (0.01)
III 	H	270 (0.58) 370 (5.05)	450 (0.23)
III 	- N(CH ₃) ₂	310 (4.98) 380 (1.30)	
III 	H	305 (1.40) 415 (5.05)	480 (0.20)
III 	H	495 (7.40)	530

[4].

I , II

I , II ,

II ,

S₀ S₁*-

(I , I II , II)

S_0 S_1^* -

40 ,

II , II

I , I (35

III III .

(II), S_0 S_1^* -

2-

(II)-

I ,

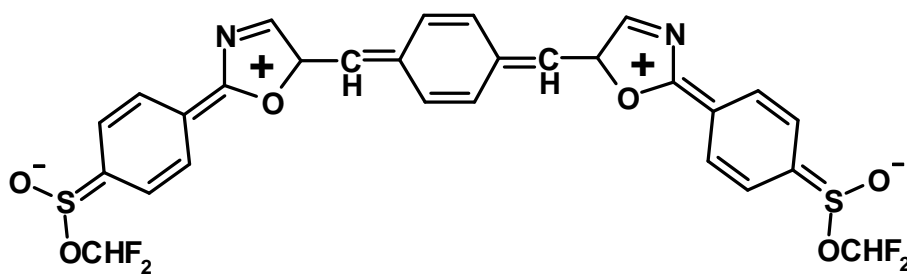
II

I .

SO_2CHF_2 -

2-

S_0 S_1^* -



II

I .

I , II

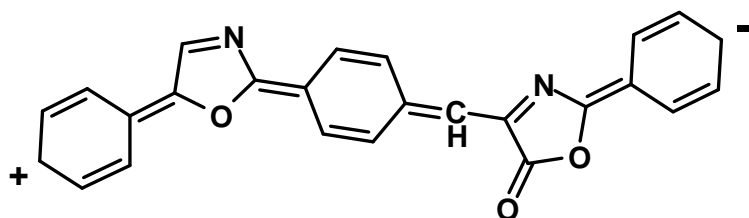
2,5-

II .

I

III ,

[6]. = - , , 2- S₁*



II S₀ S₁* , II -

I I

II II .

2,5-

II

II

. 2-

(+ 5).

I , II

2- 4-

3,5- -2-

[7].

II

I , I , II ,

(I , I , II)

3020 - 7740 ⁻¹.

25000-35000⁻¹ [8].

55000 – 75000⁻¹ ^{*}-⁻¹.

[9] n ^{*}- ^{*}- , -
 , - , -

III - T(n ^{*})- -
S₁(^{*})- -
S₁(^{*}) T(n ^{*})- . -

[11].

III , -
S₁(^{*})- , T(n ^{*})-

S₁(^{*})- T(n ^{*})- , T(n ^{*})-

I, II

S₁(^{*})- , S₁(^{*}) T(n ^{*})-
T(n ^{*})-

S- T- ^{*}- .

(0.2 0.5).

I, II

[11].

II

- [12]. - UR-20 KBr
 CCl₄ CHCl₃ 700 – 1900 ⁻¹ = 0.01 / -
 NaCl 0.1 . -
 3 10⁻³ /), - , -
 -3, -18 -95.
 -500, -4
 365 .
- : 1. -
 2- -5- .// . 1978. 2. . 158-160.
 2. -
 2- -4- -5- .// . 1980. 7. . 909-911.
 3. Bassi D., Deulofeu V., Ortega F. Spectra of azlactones. 1. Azlactones derived from substituted benzaldehydes and hippyric acids. // J. Amer. Chem. Soc. 1953. Vol. 75. P. 171-178. 4.
 -
 - .// . 1974. . 20. . 4. . 733.
 . . . 45-74 . 5.
 .// .
 . 1981. 12. . 1600-1603. 6.
 -
 .// . 1982. . 61. . 10. . 2481-2485.
 7.
 , : . 1974. . 3. . 8-14. 8.
 .// . 1971. 216 . 9.
 -
 -5- .// . 1983. . 26. 1. . 108-109. 10.

 .// . . 1984. . 41.
 . 6. . 916-921. 11.

 .// .
 . 1989. . 5-8.
 12.// . 67547
 22.12.2005. 1,4- [2- () -4- -5] , -

21.10.06

• • , • • , • • , • • ,
• • , ,

Features of influence of technological reception of processing are considered by contact polarization of monolayers on change of parameters at dynamic and static empaxed epoxyphenol fibreglass. It is shown, that processing in an electrofield of components prepregs promotes increase of conditional fatigue strength of a polymeric composite at achievement rather high demphine characteristics.

,
,
,
- [1].

,
,
[2].
5-211,
-10 (19170-73). 60
5 5
30 .
80 ,