

666.762

• • , • • , • • , « »

-

-
r - Al₂O₃ , -
.

The structural – mechanical properties of moulded masses based on corundum, polycrystalline r - Al₂O₃ fibres and binders on the base of paraffin, silicon alcoxide and its combination have been studied. The composition of masses with improved forming properties has been determined.

-

-, -, -
.

.

., ,
-

, ,

r-Al₂O₃

[1 – 5].

[6 – 9]

[10 – 13].

[14].

Al₂O₃ – Si₂

12 (48-01-36-71) ,
r -Al₂O₃ (322-7-043-95), -32
(6-09-3687-75)

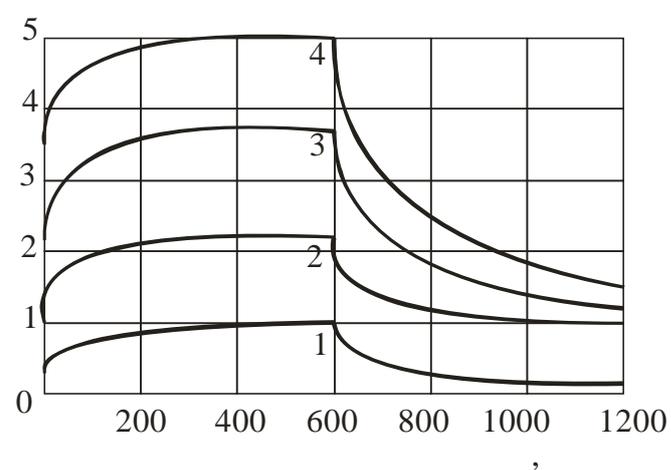
15 %.
2 – 6 , 50 – 500

1.

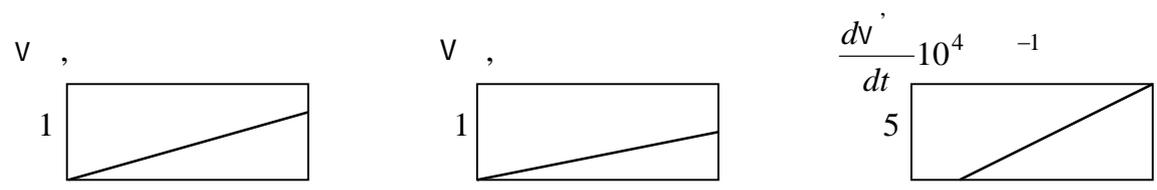
, . 1, 3, 5.
 , - , - , -
 1, 2
 y_1 ,
 . 2, 4, 6.

1

	, %			
			(100%)	(100%)
	85	15	-	15
	85	15	-	20
	85	15	1	25
	85	15	20	-
	85	15	25	-



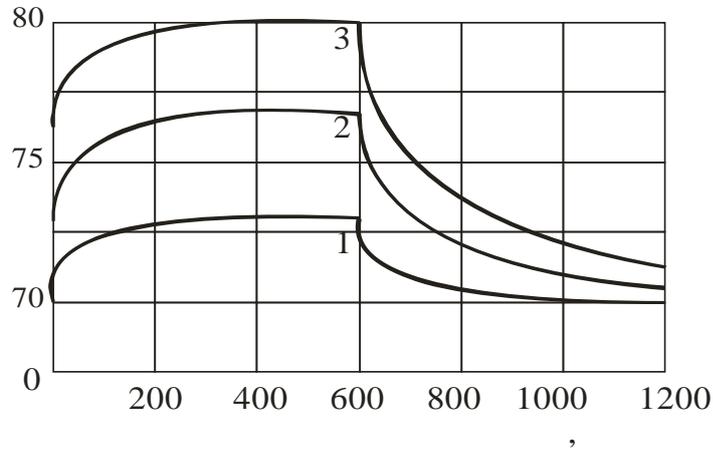
. 1. :
 1 - 600 , 2 - 800 , 3 - 1100 , 4 - 1300 .



0 5 10 0 5 10 0 1 10
 $\cdot 10^4 \frac{\text{—}}{2}$ $\cdot 10^4 \frac{\text{—}}{2}$ $\cdot 10^4 \frac{\text{—}}{2}$

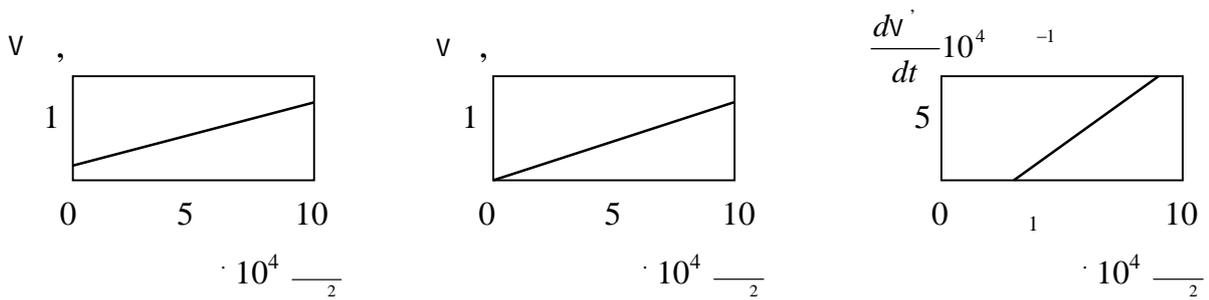
.2.

1, 2, 1



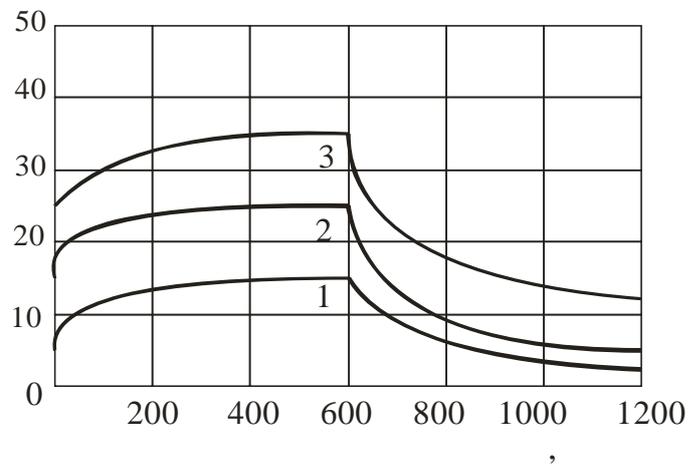
.3.

1 – 800 , 2 – 1100 , 3 – 1300 .



.4.

1, 2, 1



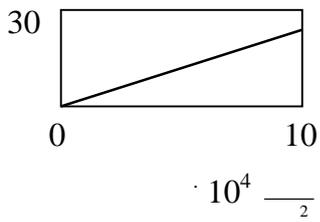
.5.

1 – 600 , 2 – 800 , 3 – 1100 .

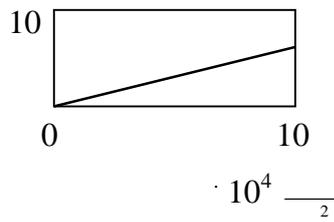
2.

.7 8.

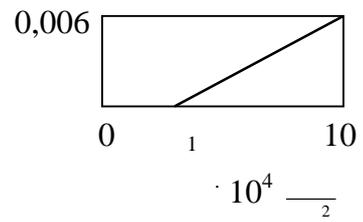
v ,



v ,



$\frac{dv}{dt} 10^4$ -1

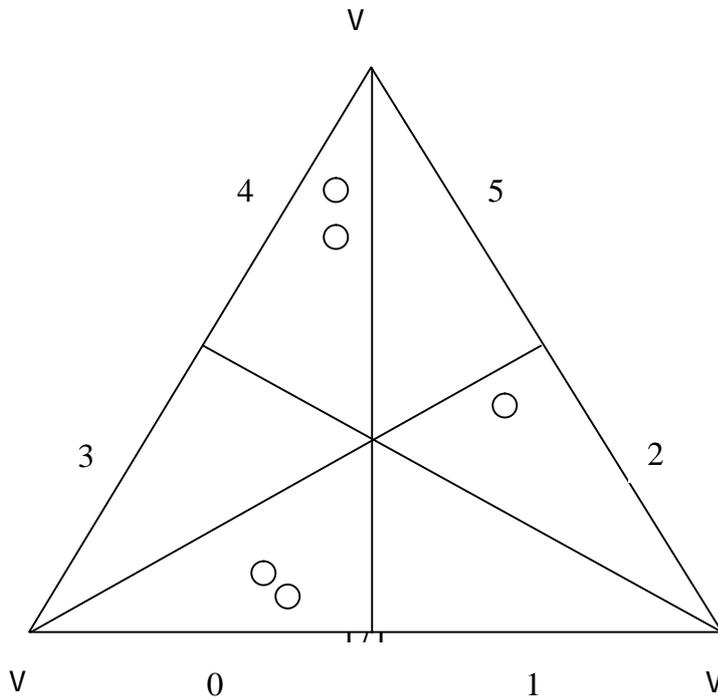


.6.

1, 2, 1

2

				, %		
	v	v	v	v	v	v
	40	33	198	17	12	71
	200	72	995	16	6	78
	500	2700	2475	65	30	5



: 1. . . .
 . - 1966. - 312 . 2. . . .
 / . . . - 1978 . 3. . . .
 // . . . - 1979. - 268 . 4. . . .

 / - 6. - 1974.
 - . 55 - 63. 5. . . .
 - 1988. - 217 . 6. . . .
 . - 1987. - 320 . 7. . . .
 / «
 ». - : . - 1990. - . 55 - 56. 8. . . .
 / «
 ». - : . - 1990.
 - . 100. 9. . . .
 «
 ». - : . - 1990. - . 76. 10. . . .
 / . . . 5
 . - : . - 1989. - . 117. 11. . . .
 / . - 1988. - 153. - . 110 - 115.
 12. . . .
 MR 'H / . - 1989. - 1. - . 43 - 50. 13. . . .
 / . . . 1 . « . . . ». - :
 . - . 61. 14. . . .
 // . - 2002, - 8. - . 35 - 37.

22.09.07