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666.762

. . . . . , . . . . . , . . . . . , « »

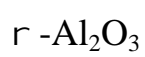
r - Al<sub>2</sub>O<sub>3</sub>

The structural – mechanical properties of moulded masses based on corundum, polycrystalline r - Al<sub>2</sub>O<sub>3</sub> 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.

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[1 – 5].

[6 – 9]

[10 – 13].

[14].

Al<sub>2</sub>O<sub>3</sub> – Si<sub>2</sub>

12 ( 48-01-36-71) ,  
r -Al<sub>2</sub>O<sub>3</sub> ( 322-7-043-95), -32  
( 6-09-3687-75)

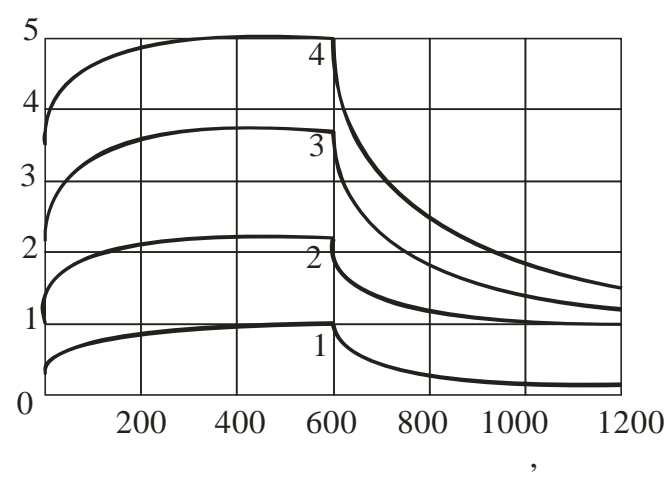
15 %.  
2 – 6 , 50 – 500 .

1.

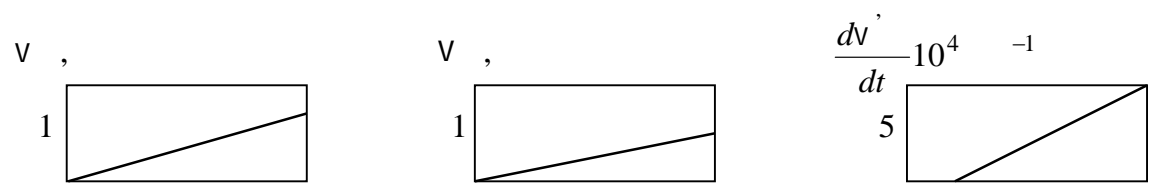
, . 1, 3, 5.  
 , - , - , -  
 1, 2  
 $y_1$  ,  
 . 2, 4, 6.

1

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



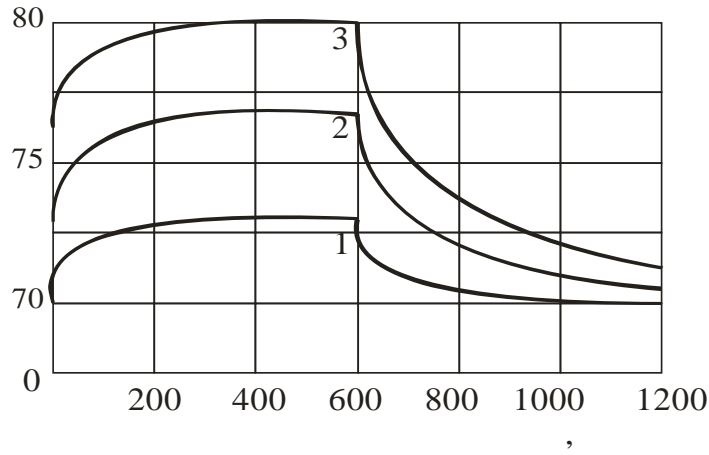
. 1. :  
 1 - 600 , 2 - 800 , 3 - 1100 , 4 - 1300 .



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

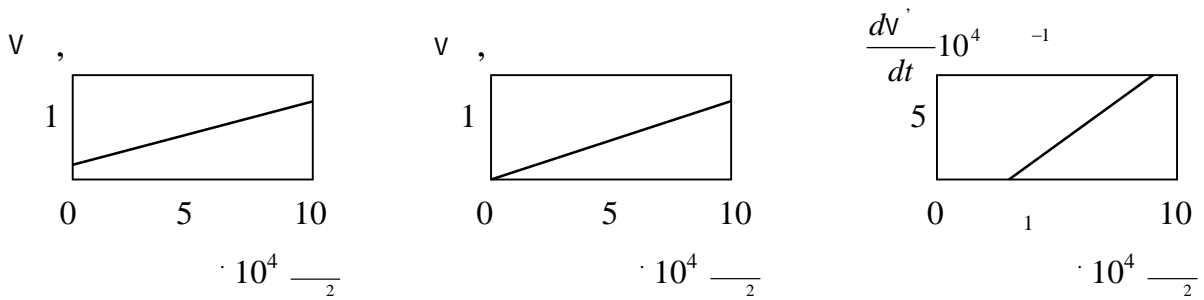
.2.

1, 2, 1



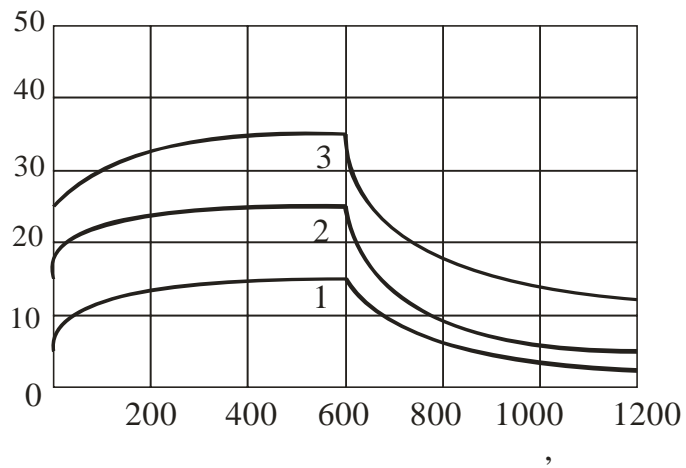
.3.

1 – 800 , 2 – 1100 , 3 – 1300 .



.4.

1, 2, 1



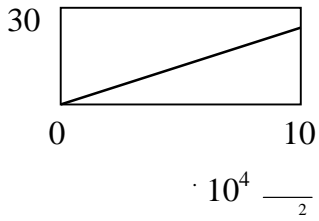
.5.

1 – 600 , 2 – 800 , 3 – 1100 .

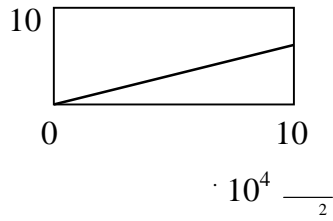
2.

.7 8.

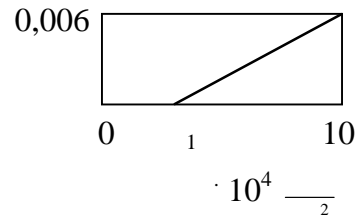
v ,



v ,



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

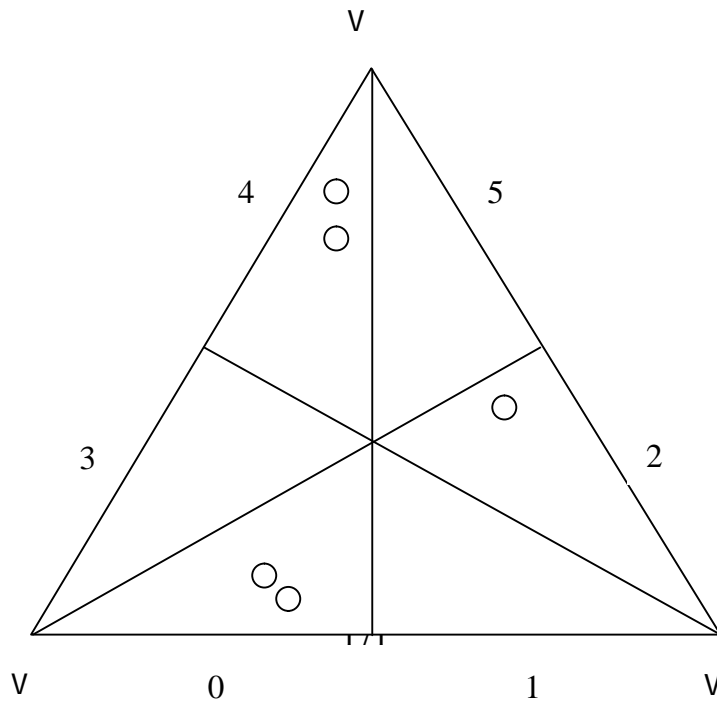


.6.

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





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