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MODIFICATION OF POLYMER COMPOUND FOR MANUFACTURING FIRE-RESISTANT PANELS

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Abstract. A formulation of a polymer compound with special additives for manufacturing fire-resistant aluminum panels has been developed; optimal technological modes for manufacturing granulated compound by extrusion have been proposed; the main quality indicators of the polymer compound have been determined.

Keywords: polyethylene, extrusion, filler, additive, fire retardants, compound, fire resistance, panels.

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277-73,
80 %) [1].

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70

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(

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[2].

« » [3].

OKABOND K-3360.

[4],

$[-CH_2-CH_2-]_n-[-CH_2-CH(OCOCH_3)-]_m-[O=COCH=CHOC=O]_p$

OKABOND K-3360

OKABOND K-3360

1

77 %

1 –

1	23 %	: 96 % + 4 %
2	33 %	
3	44 %	OKABOND K-3360

[5-8].

2

3 –

2 –

1	2	3	4	5	6	7	8	9	10	11	12
1,	2,	3,	4,	5,	6,	7,	8,	9,	10,	11,	12,
110	185	190	190	190	185	185	180	165	165	165	160

3 –

	250,0	/
	15,0–20,0	HZ
	400	/
	0,70–0,80	
	180	
	15	

2-8

-200,300 400

4.

4 –

	-200	-300	-400	
1. (190 ° , 5), /10 ,	0,30	0,30	0,30	11645-2021
2. , %	0,40	0,40	0,40	
3.	1	1	1	30244-94
4. , / ³	6±0,3	7±0,3	8±0,3	15139-69
5. , / ,	10,5	10,0	5,5	56025-2014

OKABOND K-3360

5 , -
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5 –

, %	, / °	, / °	, /10
0,1	1,73	0,92	2,9

1. 277-73 -
OKABOND K-3360.

2. .
3.

4. OKABOND K-3360 -

5. .

1. . . .
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