

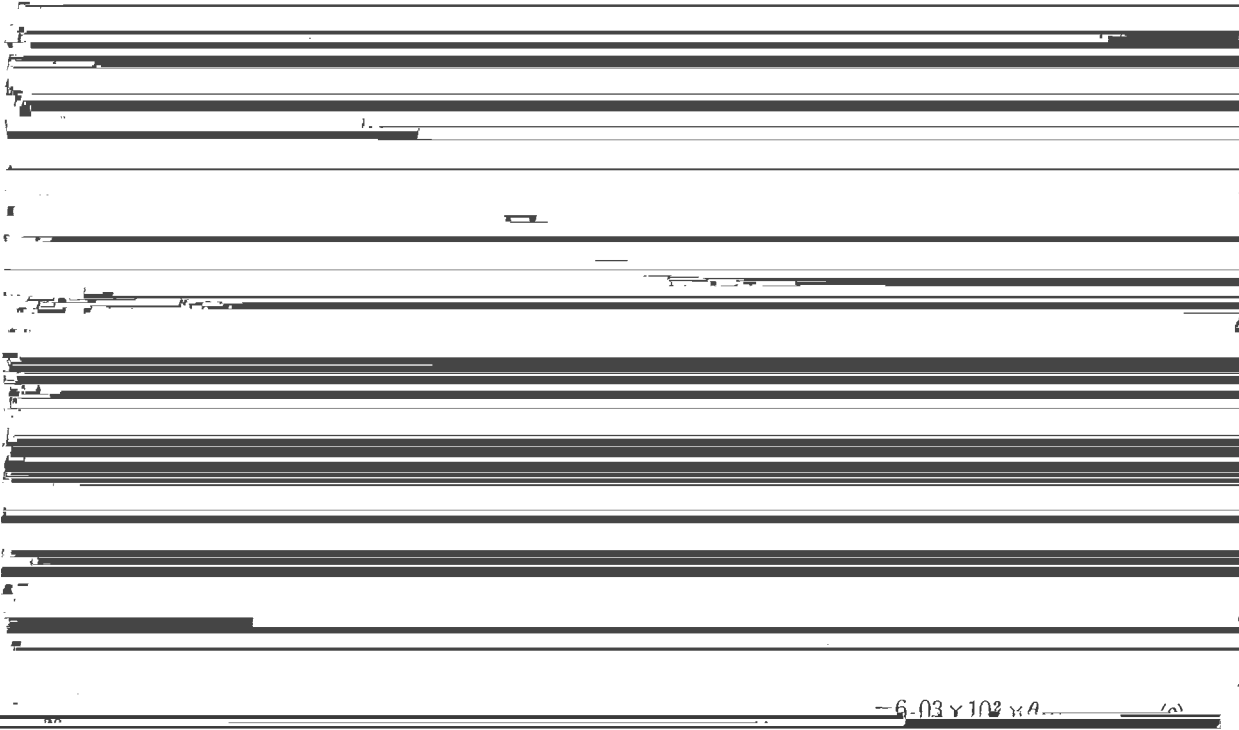
（1）

温度：25±1°C，湿度：55±5%RH

時間：72時間

（2）老化試験

テストチューブ式，120°C，72時間



-6.03 x 10^2 x A



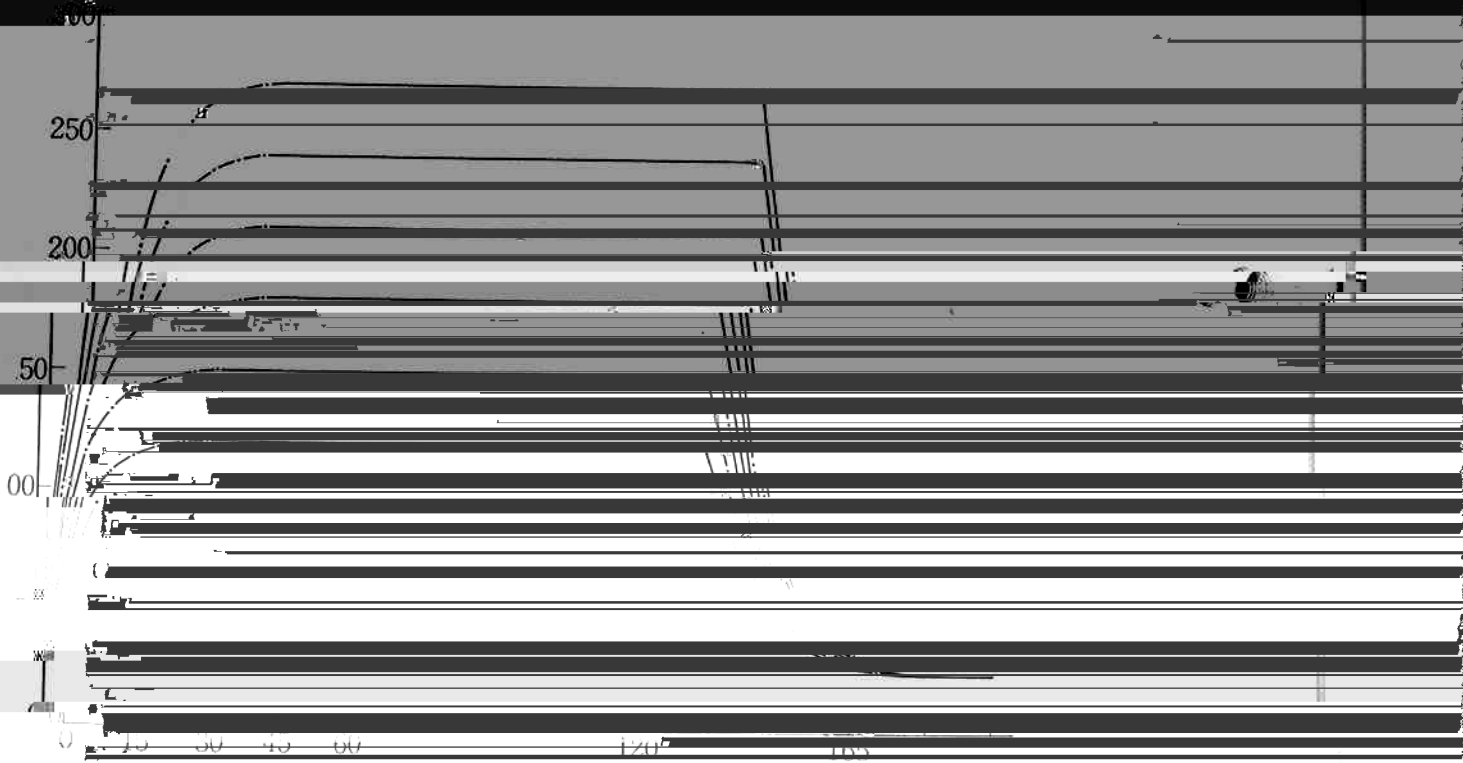
v k0 a0

t (270°C)

123.0

+2

+ 204.4



Temperature of Water in Static Air.

Temperature of Water in Static Air.

Temperature of Water in Static Air.

270°

270°



10-10-64

COGMA

θ_1 θ_2
d Cure
Reached
ed Pressure
ed
ed
ed

sec.

sec.

sec.

sec.

sec.

sec.

Applied, and the One ($\theta - \theta$) from

Curve Diagram

$\theta_1 - \theta_0$

$\theta_4 - \theta_3$

$\theta_1 - \theta_0$

$\theta_4 - \theta_3$

$\theta_4 - \theta_3$

8

7

7

7

8

9

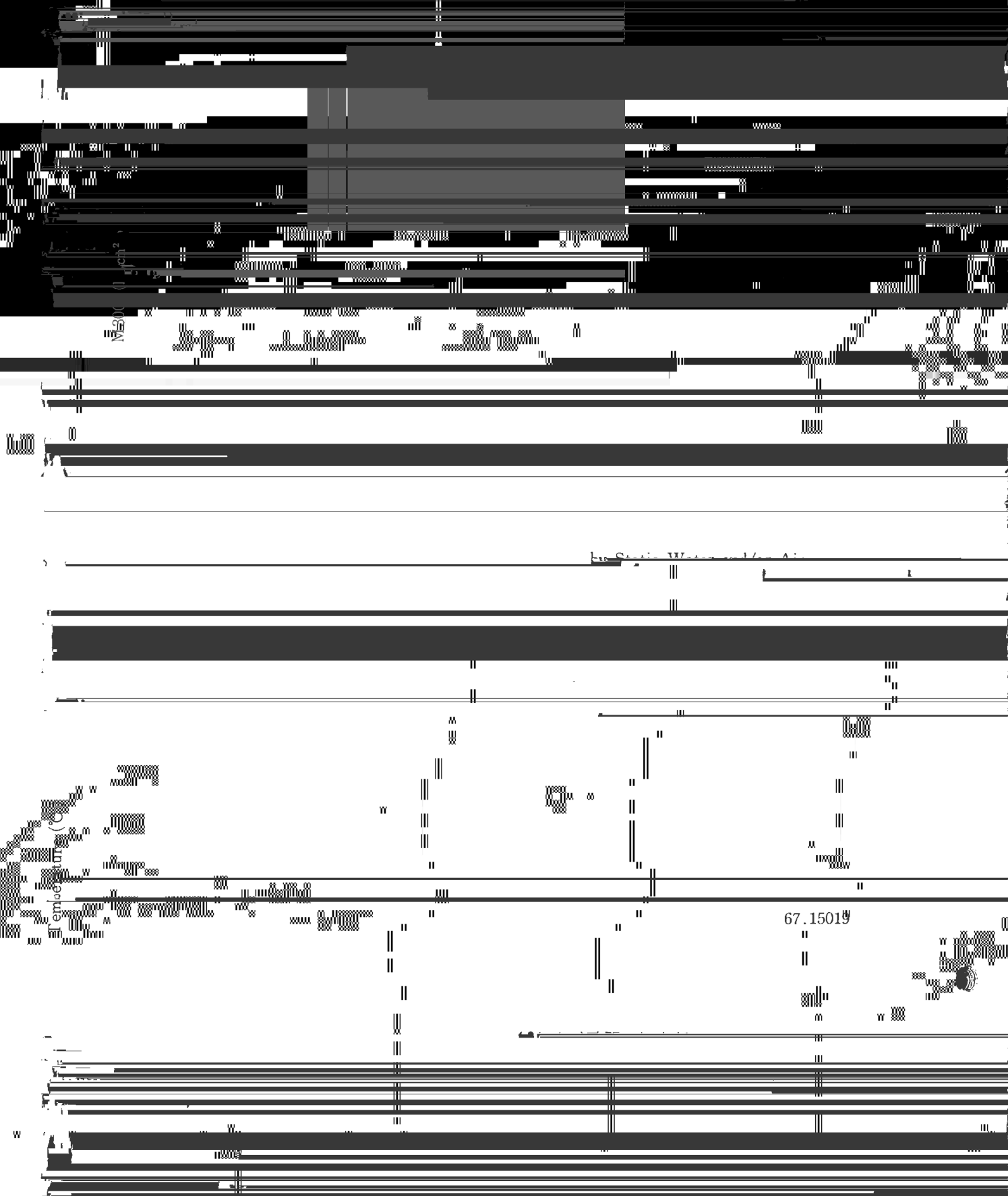
8

8

10

By the number 1.00

Table 4 Cure Intensity $\times 10^{-11}$ (versus Temp.)



温度約 150°Cまでは加硫時間をもつて加硫度の目安と

157207
208150

13044113
259.046615

05344

0.10

49.7108

Cure Temp.

08001
020104

J02

2190 45102
C95393

92.0

10"

002
1692.2
2458.7

10"

2230

0.40
0.20

//
//
//

Curing Temperature

210°C

30~35

45~50

65

85~95

(The Numbers in Parenthesis Show Cure Interval in 10-10)

100 (245802)

10×10^{11}

100°C

30" (31.1)

15" (18.7)

15" (15.0)

1'00" (68.4)

20" (71.0)

1'15" (87.0)

25" (90.0)

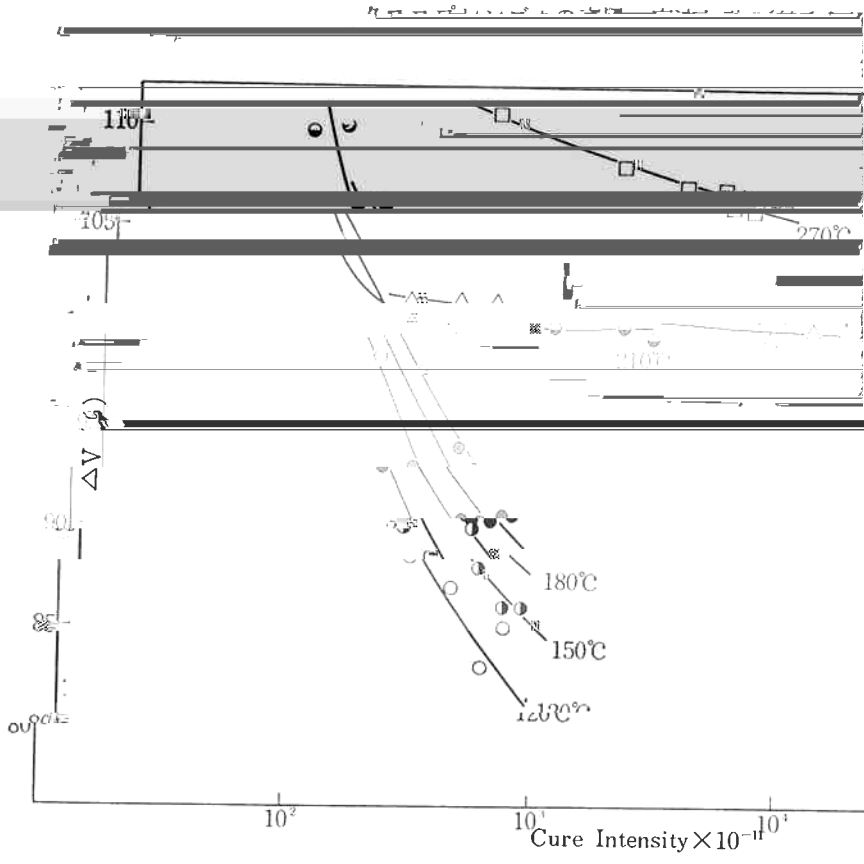
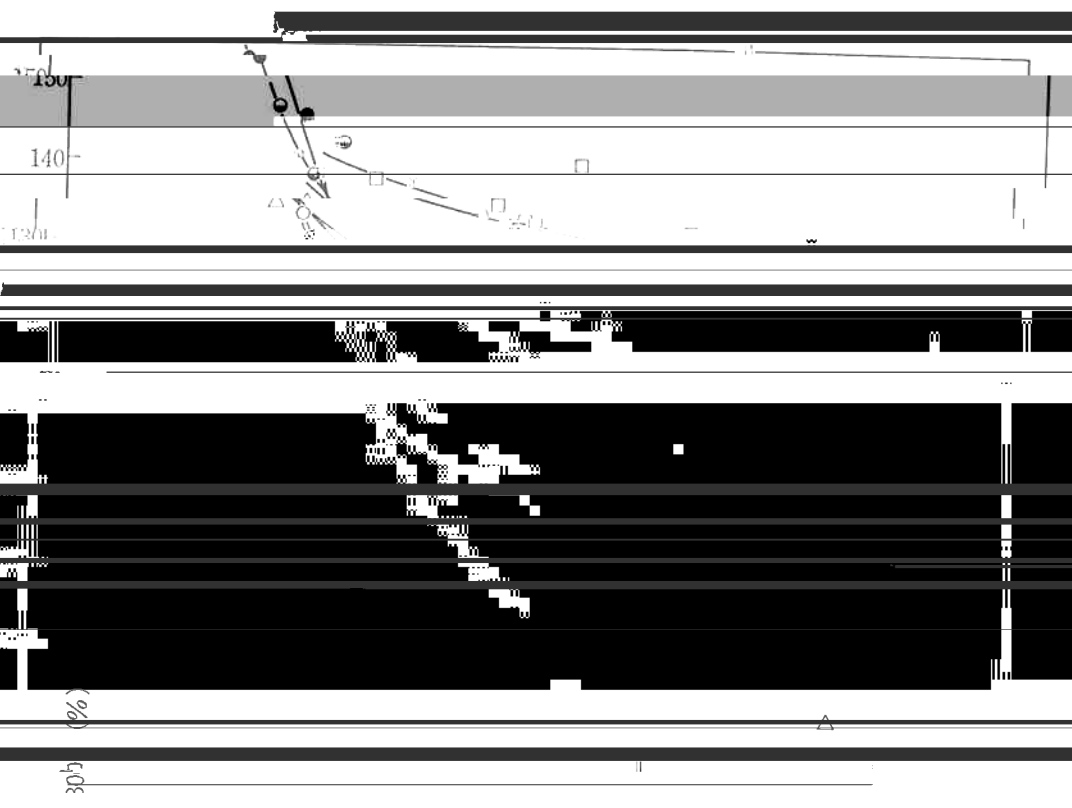


Fig. 6. Szwally (43) - ACCELERATION OF CURE



Curing Temperature

cc.

2 | 40

56

Table 7 Hardness (Hc) and Tensile Strength (%) versus Cure Temperature

30

50

61

250~300
300~400
400~500

59

58

27

62

59

58

59

59

56

58

58

500~600

43

40

63

27

50

240

238

59

1

15

229

59

40

63

1

15

60

59

59

[REDACTED]

Item 1 R C T* hr. mi

200-300 780 770 600 500

[REDACTED]

300-400 450 300 200

[REDACTED]

[REDACTED]

400-500 510 400 300

[REDACTED]

40 450 480 470

170~190 250~300

18 580 560

[REDACTED]

6000 57 13 14 26 29 490

[REDACTED]

78 78 72

[REDACTED]

114 108

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

A_g (T_g) by Heat Analysis

Curve Temperature

65

85-95

5

250-300

35 45

3

3

6

120~130
170~190

2

5

50
50

4

51 40
59 40

2

1

2

3

4

5

7

13

18

57

14

120~130
170~190

88

Item I₀ × 10⁻¹¹ R. C. T*

45

~75 26

30

7 10

10 00

14 20

6

R.C.T*

Curing Temperature

69

75

Table 40

45~50

6000

900~1000

1000~1500
1500~2000
2000~2500

43 40
51 40

97
94
89

97

小 中 大

Curing Temperature

hr. min. sec.

100°C

210°C

210°C

280°C

30~35

45~50

65~75

119

118

105

190

40

86

86

1000

33

43

97

100

106

1000

6000

10000

20000

5

7

13

26

10

57

14

29

$I_0 \times 10^{-11}$

R. C. 1*

協力に感謝します。

1) 久保田, 黒井, 下田; "日本ゴム協". 29, 786(1956)

4) 久保田, 黒井, 下田; "日本ゴム協". 29, 786(1956)

5) 久保田, 五味; "日本ゴム協". 20, 502 (1957)