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水

Polymerization of  $\beta$ -Olefin

ン異性体<sup>4)</sup>を用い、(1)の方法について研究し、イソ異性

[Redacted text]

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44

120

0.10

0.00

99.35

0.9

(-42°)

531\*3

0.0

0.3

99.7

3 MB-1 2 MB-2 2 MB-1

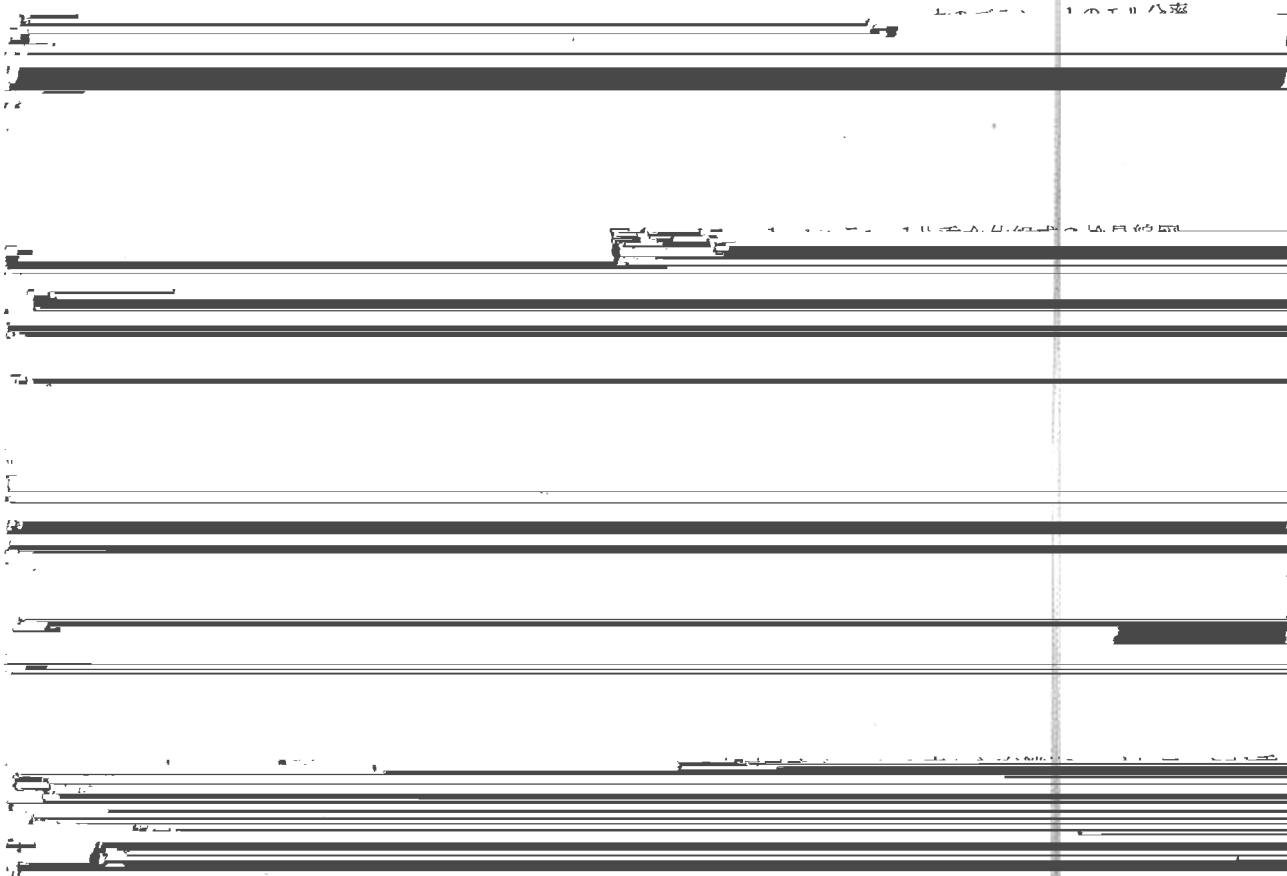
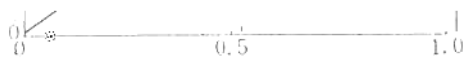
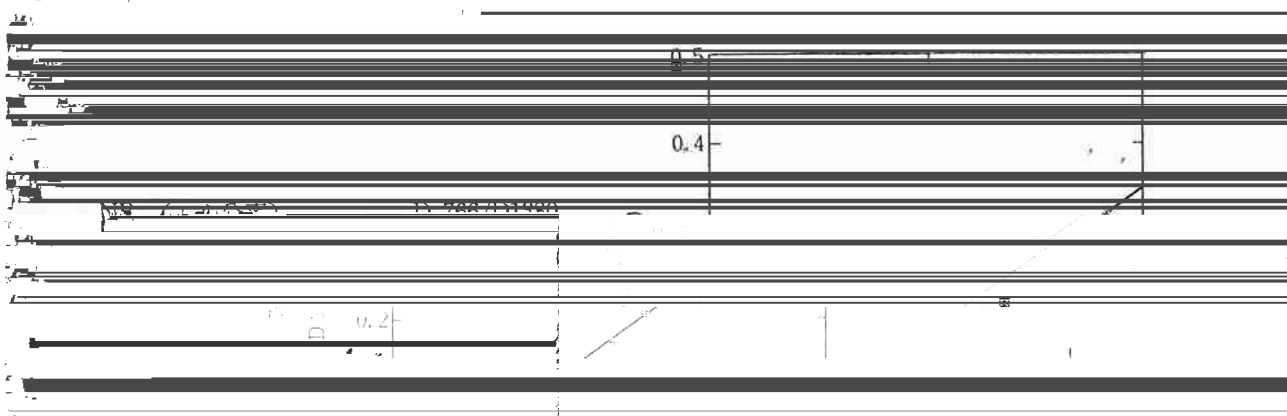
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1.7

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[TiCl<sub>3</sub>] = 50mmole/l, Al/Ti = 2, 室温 1時間熟成,  
[M] = 4.0mole/l, n-ヘプタン中

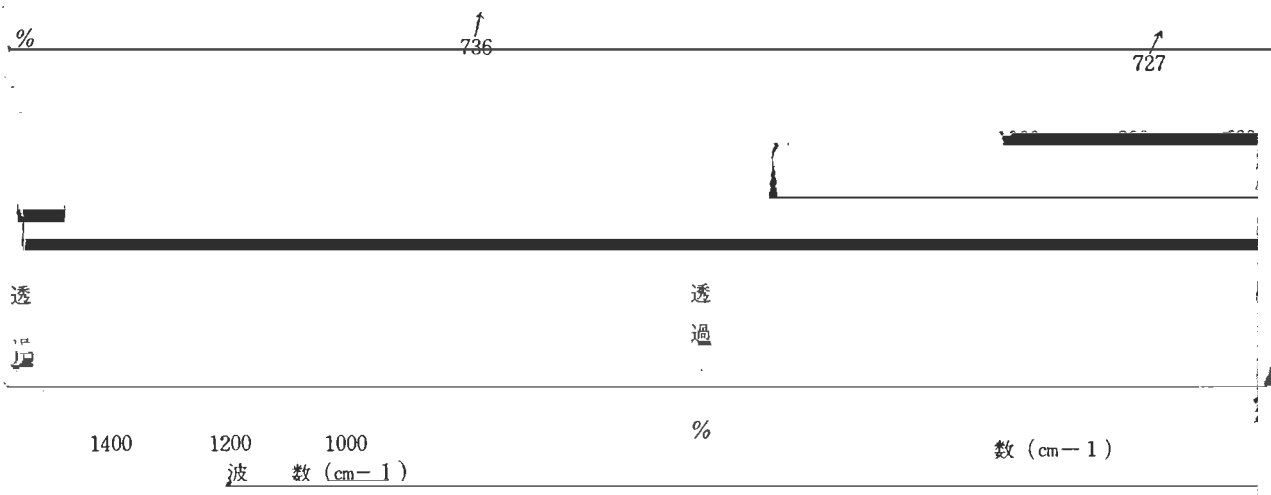
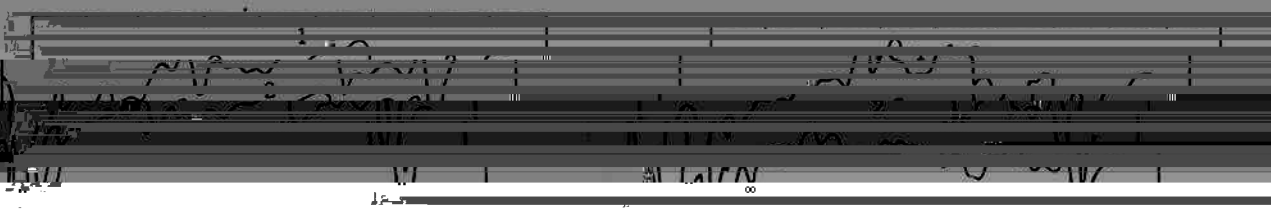
wt-%

NB

CB

TB

4 n-ペンテン-1



波

No.	MX <sub>n</sub> /T	Rp	%						
14	0	28	17.5	0.66	66.5	2.9	32.3	64.8	
15	RhCl <sub>2</sub>	0.46	28	11.4	0.41	1.7	22.8	75.5	
17	CrCl <sub>3</sub>	0.44	28	14.4	0.51	2.7	24.9	72.5	
18	FeCl <sub>2</sub>	0.25	28	17.6	0.62	10.2	2.6	22.7	74.7

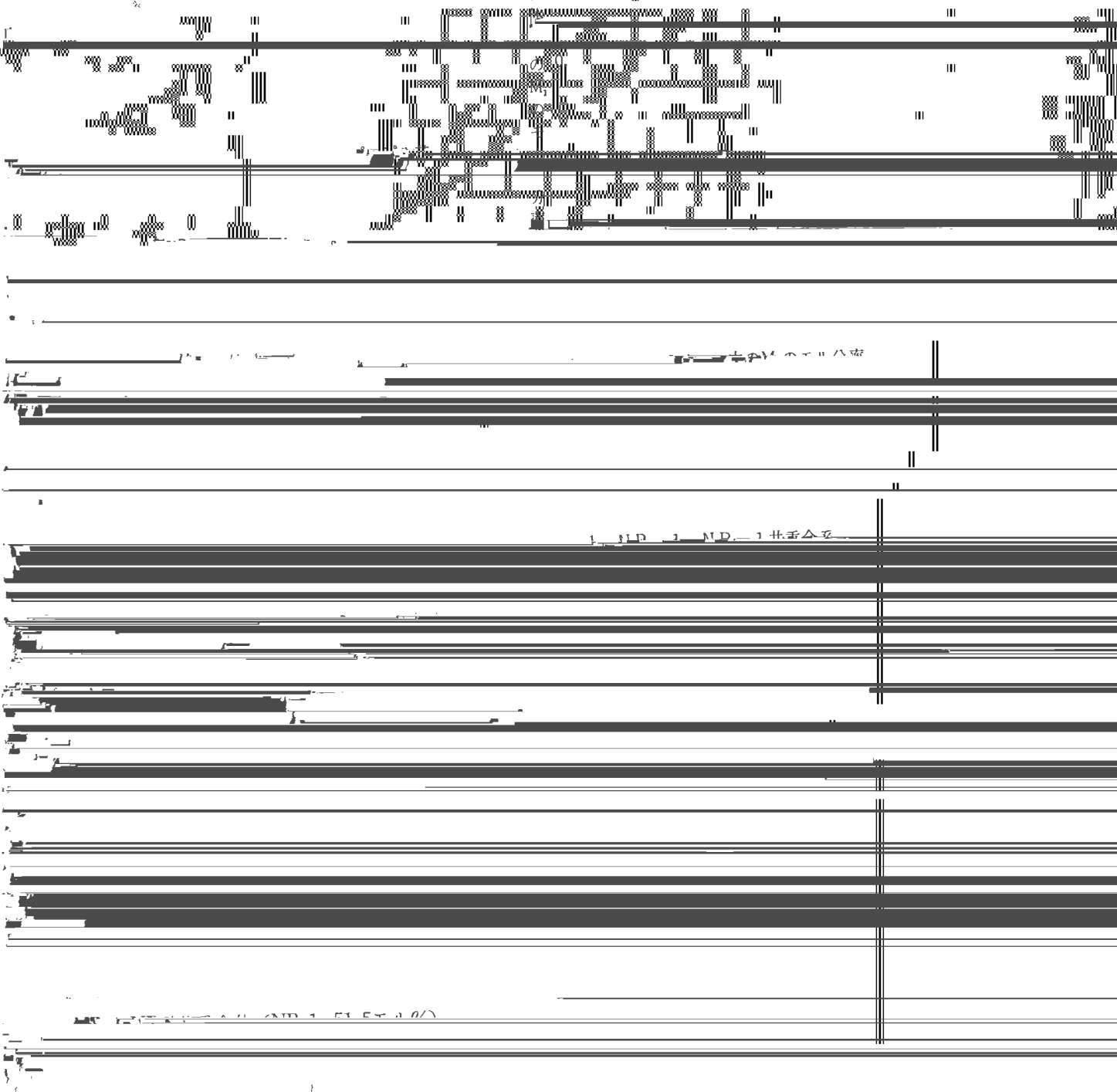
表4 (C<sub>2</sub>H<sub>5</sub>)<sub>3</sub>Al-VCl<sub>3</sub>-Fe (AcAc)<sub>3</sub> 触媒によるブテンおよびペンテンの臭化反応

試料番号	[Al]	[V]	[Fe]	[C <sub>2</sub> H <sub>5</sub> ] <sub>3</sub> Al	[C <sub>2</sub> H <sub>5</sub> ] <sub>3</sub> Al/V	[C <sub>2</sub> H <sub>5</sub> ] <sub>3</sub> Al/Fe	[C <sub>2</sub> H <sub>5</sub> ] <sub>3</sub> Al/[C <sub>2</sub> H <sub>5</sub> ] <sub>3</sub> Al+V+Fe	臭化率 (%)		
								N	C	T
5	0.17	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	2.1	—	—
	25	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	1.0	—	—
6	0	—	—	—	—	—	—	~ 0	0.5	1.0
7	0	—	—	—	—	—	—	~ 0	0.5	1.0
8	0.81	—	—	—	—	—	—	0	0.6	6.1
9	0.55	—	—	—	—	—	—	0	0.6	28.2
										65.1

\*2 N: n-, C: シス, T: トランス



共重合



$N_0$	$M_1^{00}$	$M_2$	$r_1$	$r_2$
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2			0.28	1.12
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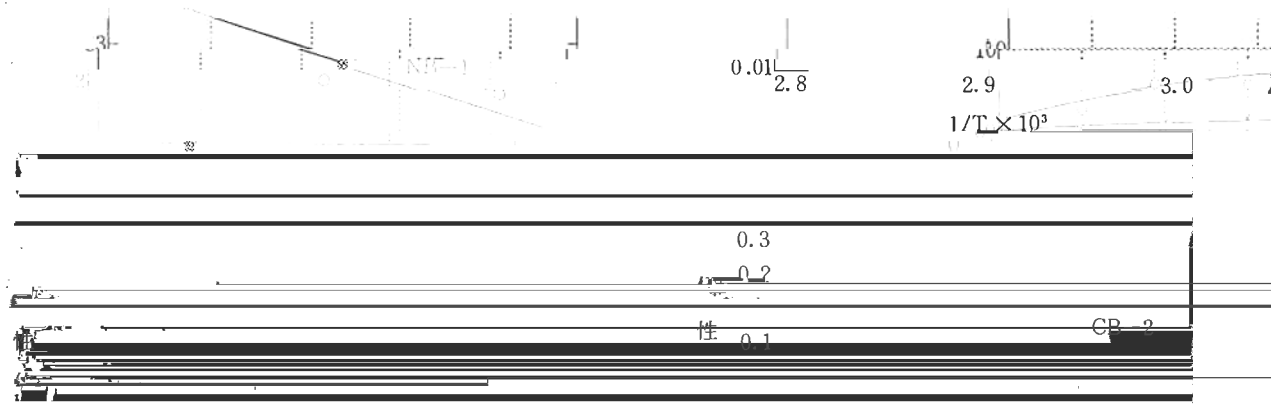
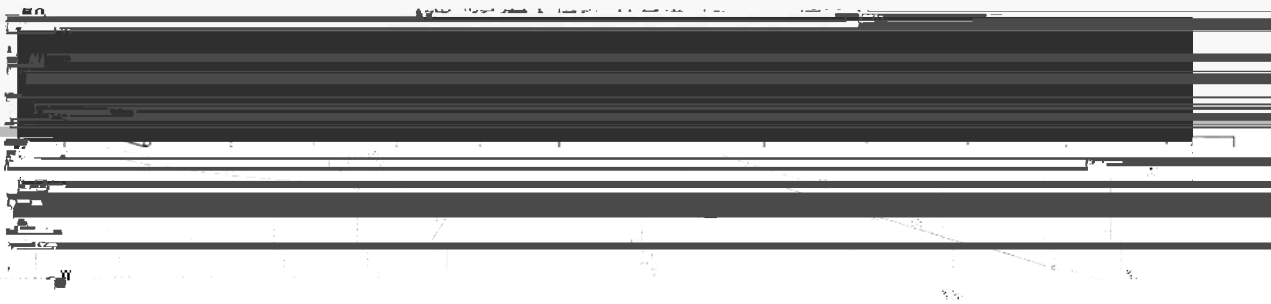
... 90° ...



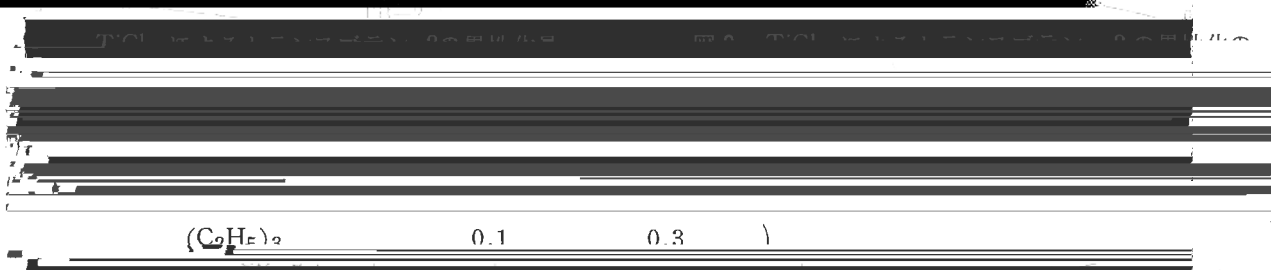
表8.  $TiCl_4$  触媒による  $\beta$ -オレフィンの異性化重合

温度 時間

50mmole/l,  $[M]=6.0$  mole/l, n-ヘプタン中。



分 布 %	度 %	度 %
50	0.017	0.07
70	0.020	0.12



反応時間 (80°)

アルレニウスプロット

温度 0.1% 0.2% 0.3% 0.4% 0.5% 0.6% 0.7% 0.8% 0.9% 1.0%

試料	抽出率	抽出率	抽出率	抽出率	抽出率	抽出率	抽出率	抽出率	抽出率
54	0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0
55	1	trace	0.4	0.0	0.5	0.0	0.0	0.0	0.0
56	5	trace	0.4	0.0	0.6	0.0	0.0	0.0	0.0
57	10	0.4	0.4	0.7	3.7	95.2	0.0	0.0	0.0
58	16	0.0	0.4	0.6	3.1	95.9	0.0	0.0	0.0
59	22	2.8	0.4	0.4	10.3	88.9	0.0	0.0	0.0
60	28	2.4	0.5	1.1	10.0	94.4	0.0	0.0	0.0

62 1 ~ 0 0.4 0.3 1.4 97.9

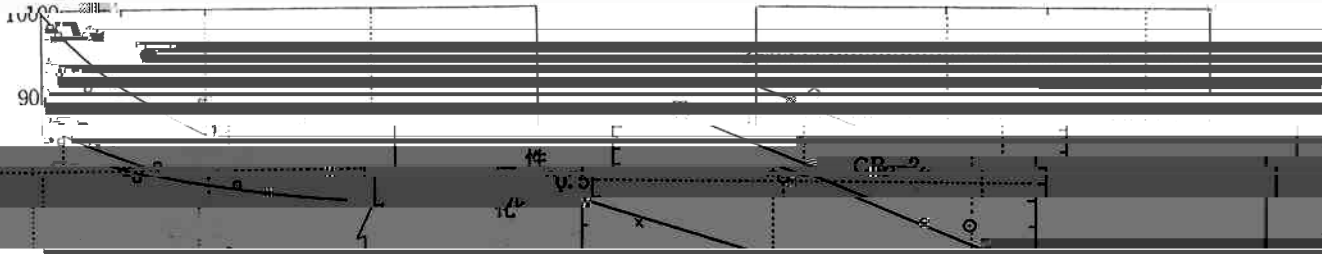
63 2 trace 0.4 0.0 1.0 97.9

mole/l. n-ヘプタン中

64 5 0.2 0.4 0.8 4.0 97.8

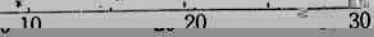
65 7 0.2 0.4 0.4 1.0 97.8

54



%

// NB-1



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0.03

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TB-2

布  
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No.

hr

%

82

0

0

0.0

100.0

0.0

0.0

0.0

80

反応時間 (hr)

0.7

0.7

0.7

0.7

0.7

42 (C.H.) A.A.T.C.I. 42 (C.H.) A.A.T.C.I.

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[The text in this section is heavily obscured by horizontal black bars and is therefore illegible.]

816 (1945).

2) T. Alfrey, Jr., et al. "Copolymerization" p. 49 (19

17) M.F. ...

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