

佐 貫 建

Studies on the Stability of Cellulose D. II. Part II.

Compounds for Heat Stability Improvement

... (DTP) improved ozone resistance but had a higher tendency for cracking

### Chloroprene Rubber



Table 2. Ingredients their Chemical Structure



MB

Antamine

Antioxidants

Ni, copper and lead

(plasticizer)

[13] 目

*Microrhynchus*

(Synonym)

*Microrhynchus*

T. 11



Table 5

Sample No.	A <sub>r</sub> -1	A <sub>r</sub> -2	A <sub>r</sub> -3	A <sub>r</sub> -4	A <sub>r</sub> -5	A <sub>r</sub> -5b	A <sub>r</sub> -7	A <sub>r</sub> -8
Analysis (FIR)	TMI				FIR			
(Date)	24	24	24	25	23	24	22	22
V <sub>m</sub> +5	10.8	10.0	11.8	8.0	10.0	0.2		

Table 7 Effect of Sample

$V_m \times 10^3$ (min.)	10.8	15.0	13.0	12.0	10.7	10.5	10.8	10.9	13.0	15.0
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0 min. at 150°C)

Strain Properties (

Retaining of  $E_b$

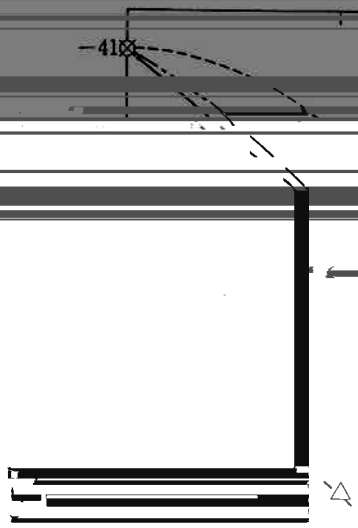
Change of  $H_s$  (po)

20 30 40

60 70 10







Brittle Temperature (°C)  
-44  
-45

Oil/DOP (PHR)



Table 9 The Test Results of Physical

Sample No.	B-1	B-2	B-3	B-4	B-5
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100					
-----	--	--	--	--	--

1.5					
-----	--	--	--	--	--

1					
---	--	--	--	--	--

4					
---	--	--	--	--	--

1					
---	--	--	--	--	--

2					
---	--	--	--	--	--

10					
----	--	--	--	--	--

8					
---	--	--	--	--	--

10					
----	--	--	--	--	--

1					
---	--	--	--	--	--

Properties for Various Ingredients

50
----

20
----

40
----

20
----

Stearic Acid

Aranox

Syntight S

7.5

14.1 13.1

Ta (cm<sup>2</sup>/yr<sup>2</sup>)

E<sub>B</sub> (%)

M<sub>ann</sub> (kg/cm<sup>2</sup>)

30

107

Sunlight S  
Kantox A

2

Dr. Paul M. ...

Classification	Item	Cureivate	Heat Aging	Ozone Cracking	Staining
Amine Derivatives		○	⊙	○	×

Diamine Derivatives	△	○	⊙	×	
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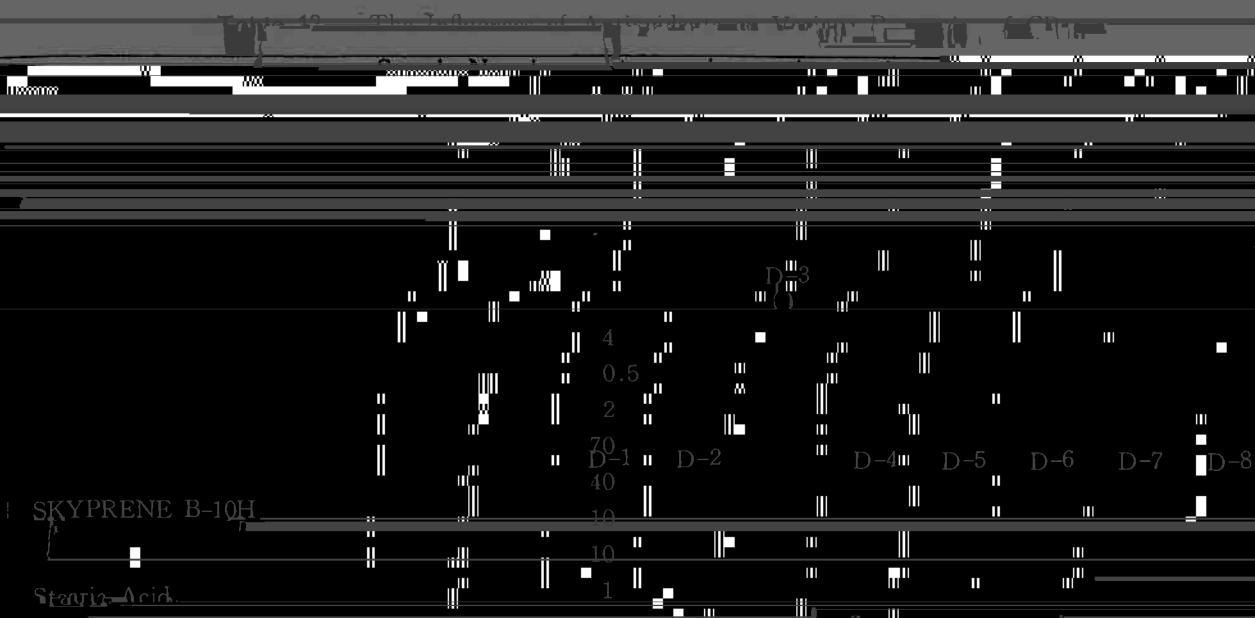
Reaction Production of Amine

Blending Product

Phenol Derivatives

Ureas

Staining for CR



Rape Oil  
 ZnO  
 ACC. 22  
 Antioxidant  
 D

			1	2
43	48	48	47	
7.5	8.0	8.3	8.0	
2.0	4.7	18.0	14.0	

BA

Arans  
 Irganox 565

2

Sample No.

4

B-10H

100

100

100

4

0.5

0.5

2

2

1

1

1

1

1

4

4

35

35

10

10

10

10

60

0.75

0.75

0.75

Item

58

580

124

Stearic Acid

0.5

0.5

0.5

0.5

2

2

2

2

1

1

100% Stearic Acid

Maleic Anhydride  
Stearic Acid  
Sulfur

F1 Carbon  
CaCO<sub>3</sub>

DOP  
ZnO  
ACC 22

Antioxidant  
D  
Aranox  
Octamine  
MB  
NBC  
JC  
Chelex-P

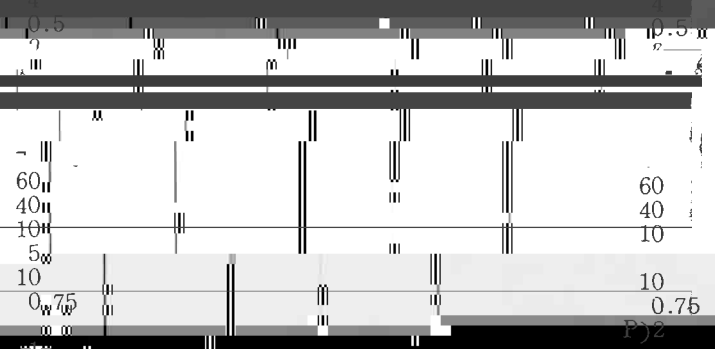
Mark-M  
Dakland M  
Mon M at 100°C

Wine Powders  
Molten Form at 100°C

V<sub>0.05</sub> (min)

(Cure time at 160°C)

T<sub>B</sub>



15 min







[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Ata

5 x 10<sup>3</sup>

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- 25
- 47
- 67
- 65

Resistenza 50 mhm

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(1969年10月1日付)

請求書 No. 100 (1969年) 請求書 No. 100 (1969年)