

ACRYLIC RESIN의 BENCH-CURING에 관하여

신구전문대학 치과기공과

Bench-Curing Acrylic Resins

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Abstract

The purpose of this study was to determine if homogeneity of the resin associated with bench-curing could be obtained in the curing unit as the water increased from room temperature to curing temperature.

The results of the experiment were as follows :

- 1 . Long periods of bench-curing are not necessary.
- 2 . Bench-curing can take place in the water bath of the curing unit. When this procedure is used, the water should be far enough below the temperature at which active polymerization of the resin proceeds to allow the bench-curing to occur.

I . 서 론

(163)

7)

가

bench curing

20

bench-curing

monomer
monomer

resin teeth

rerin " thick " section

1,2)

(J.J.Sharry)¹⁾ 1 4

flask curing unit

Heatwell Rahn⁸⁾

bench-cure

Boucher⁹⁾ 30 60

2 가

3)

Nudis¹⁰⁾ 1

bench-curing

가

4)

dental research

30 bench-curing

가

Concil

5,6)

Stallford Paffendarger¹¹⁾ bellch-curillg

resin bellch-curing

Bench-curing monomer가 Polymer resin paraffin wax, (Korea)

2. 실험방법

monomer 가 cured resin 3 (A, B, C)

flask가 curing unit A
(70) 81 2mm
(160 163)³⁾ 가 wax baseplate ridge crest
가 140 5mm, 3mm wax rim
9 9

benzene peroxide가 free radicals가 resin flask wax flask

processing 가 resin wax flask

가 processing 가 resin

70 curing unit가 1.8 /min Resin bench-curing curing
resin unit 40 bench-curing unit(Hanau, U.S.A) 1.8
bench-curing /min Unit
가 bench-curing Processing
bath 가 가 curing unit water 가 163
cured processing (F.A.Peyton)²⁾
resin 가 monomer

가 bench-curing 8 bench-curing 15
curing 가 curing unit 120 heat-curing 가 flask
bench-curing 가 resin 가
가 bench-curing

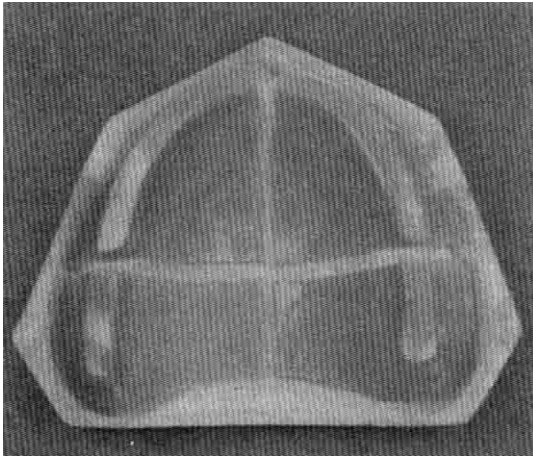
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II. 실험재료 및 방법

1. 실험재료

heat curing resin(가. Perma-Cry 12, COE, U.S.A, Laboron, G-C, Japan, Densene 33, Cosmos, U.S.A), Resin Separator (Acro-Sep, G-C, Japan), Plaster(Dental caster, Yoshino, Japan), Base plate wax(Dental

B baseplat wax 가 19.5mm,
19.5mm block 가 3mm
1.5mm 가 19.5mm
가 9 12
3
108
flask A
A



1.

Bench-curing

flask
curing unit bench-curing

IV. 결 론

가 bench-curing
resin 가 가

1) Bench-curing 가

2) Bench-curing curing unit water
bath

bench-curing
resin

가 denture resin
B 가
curing unit 가
bench-curing

C curing-unit 60
bench-curing B

III. 실험결과 및 고찰

가 bench-curing
acrylic resin bench-curing
resin acrylic-
bench-curing bench-curing
curing-unit bench-curing
unit
(70 80).
monomer가 Polymer

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