

납형의 性質 및 成分에 關한 研究

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-Abstracts-

A Study on Qualities and Components of Wax Patterns

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This study was aimed at obtaining a desirable wax pattern for inlay. The method used was to analyze, mix, and heat several kinds of waxes, comparing the temperatures of their components. The result was Type C wax.

In type C the amount of paraffin was generally contained(60~70%) was reduced to 45% and there was mixed 10%-15% of carnauba, which was intended for the wax not to soften readily at low temperatures. The type C has some advantages for general use: handy preparation, high safety, and economy.

The inlay waxes commonly used contracted if the temperature fell from 38 to 28 , but the contraction of type C was observed to be 0.2%~0.4% in proportion to the 10 fall. This was more characteristic in mixing.

I. 緒 論

補綴物 因 發生 各種 後遺
症(secondary caries, peridental disease)
各 領域 影響
再論 餘地가
Morrision Crown plate
補綴物 , 가
가

Cast Crown

(cast crown)

(die)

Model

1.

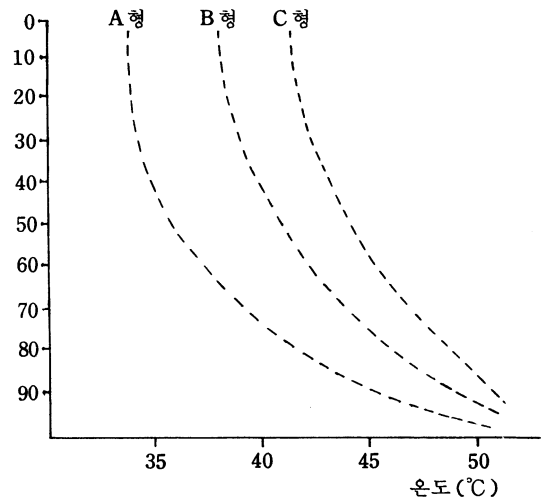
(: %)

형	성분	Paraffin	Carnauba	Seresin	Bees Wax	단말 고무
1형		60 ~ 70	10 ~ 15		1 ~ 3	15 ~ 20
A형		65 ~ 75	15 ~ 18		20 ~ 25	
II형		30 (용점 49 °C)	30	20	10	10
B형		40 ~ 45	25 ~ 30	15 ~ 20	20	
C형		45	15 ~ 20	3 ~ 5	35	2 ~ 5

(wax patten)

(Inlay wax)
 , 가
 wax 가 wax
 가 가 wax
 wax 가

2.



II. 實驗 材料 및 方法

wax 가
 wax pattern taking 가
 1 wax(C)

wax 가
 . A. D. A
 (American Dental Association) No4

wax 45 80% 가
 가 8 Type C

wax Inlay wax
 Inlay wax 가
 wax flow A.D.A
 2
 가 wax
 flow

wax 가
 , Inlay 가
 Inlay Crown wax가

가 wax
 inlay change가 dimensional change Anatomical

wax 2
 Type 3 (C)
 A wax Type

. No2 C

III. 實驗成績 및 考察

wax wax가 , wax
 가 Casting wax
 가 (Inlay crown & Bridge) wax
 shrinkage dimensional change가
 가
 가
 wax (:) C

die(Model) C
 A dipping A C
 가 Build up ,
 gap ,
 wax dipping , C
 가 flow
 C wax die 가
 Tool(#7) 가
 150 160 wax가 C
 shrinkage가 die

IV. 結論

wax
 가
 .
 0.2 0.9% 38 28 wax
 가
 (Inlay crown & Bridge) wax
 C

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