

special liquid
(Gypsum) silica
colloid solution) (colloidal silica
3,6,11,12)
special liquid
가 special liquid
margin

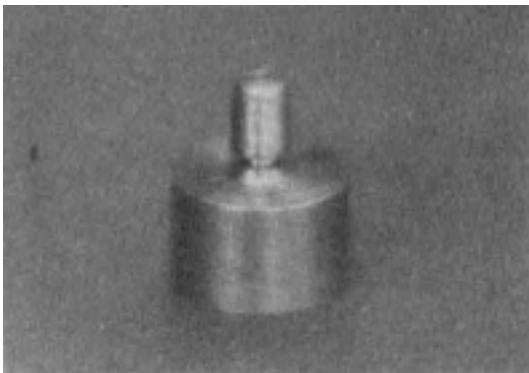
II. 실험재료 및 방법

1. 실험재료 및 기구

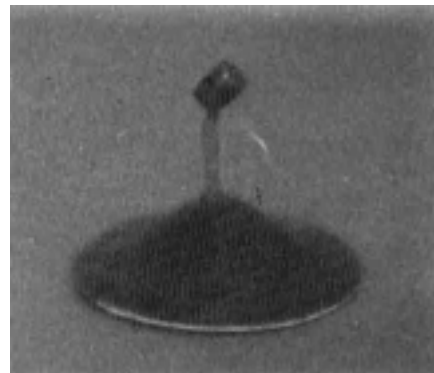
- 1) Hi-Temp(Whip Mix Co. U.S.A)
- 2) SANKIN CB-80 (Sankin Co. Japan)
- 3) Blue Inlay Wax(G.C.Co. Japan)
- 4) Vacuum Mixer(Whip Mix Co. U.S.A)
- 5) Vibrator(Buffalo Co. U.S.A)
- 6) (Kerr Co. U.S.A)
- 7) Microscope (Olympial microscope, Japan)

2. 실험 방법

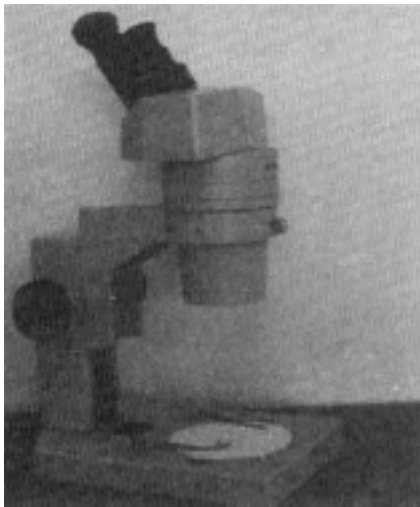
Coping Hinman 4.40mm, die 6.6mm
2)(1),
coping dipping method 0.4mm
wax carving wax pattern
metalring (10gauge round wax,
1.5mm)(2).
wax pattern wetting
agent(Surcast G.C. Japan)
asbestos liner 1 ring 가
1/4inch가 ring .
Phosphate bonded investment
Hitemp
9).
Casting metal SankinCB-80
new metal , oxygen-propane
gas
casting . ring
50µm aluminum oxide
sand sand blasting .
#2,
#4, #8 round bur Hinman
die margin
10 (3).
Coping 0 , 10 , 20 , 30
special liquid 20 coping



1. Hinman die



2. Sprue



3. Microscope (× 10, Olympia. Japan)

0 special liquid
margin
margin
가 special liquid 10
margin , 20 margin
margin 30
0
6,11), 10 0
가 가
. 20 0 , 10 liquid
margin 가
가 , 30
20 가 0 ,
10 0 , 10
, 가

80 casting body margin

III. 실험결과 및 고찰

special liquid
(4, 5).

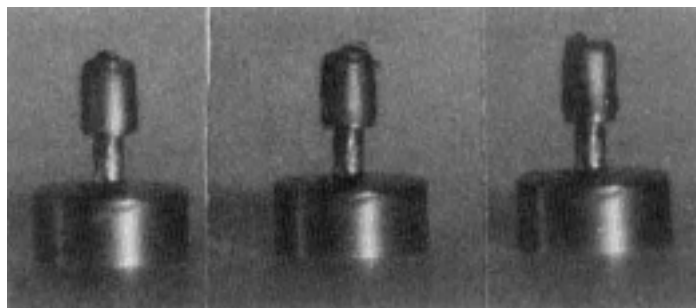
special liquid
margin
(setting expansion)

IV. 결론

Casting body margin



rmfla 4. 20 coping



5. coping

가 investment
special liquid
liquid 0 , 10 , 20 ,
30 80 coping ,
. .
1. 4 margin
20 가 가
, 30 , 10 , 0
2. liquid
가
margin
.

참고 문헌

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