

**(Handle)**

1.

handle

가 .

가

impulse

.

가

가

가

.

. ,

, ,

가

,

가

가

,

drape

.

.

Handle

1926

Binns

1930

Peirce

1950

1960

가

.

.

가

handle

-

.

## 2. Handle

handle

가

1 Brand가 handle

1 Hoffman

가

### < 1> handle

바람직한 것

Body, Bounce, Bulky, Clean, Compliant, Cool, Crisp, Drape, Dry, Firm, Full, Lively, Loft, Lustrous, Scoopy, Sheer, Smooth, Snap, Soft, Supple, Warm

바람직하지 못한 것

Bitey, Boardy, Clammy, Dead, Greasy, Harsh, Hungry, Lean, Leathery, Limp, Mushy, Mussy, Papery, Picky, Pilling, Rubbery, Scratchy, Sleazy, Snagging, Sreaky, Thready, Thin, Waxy, Wrinkling, Wiry

價値가 變하는 것

Cottony, Top Cover, Bottom Cover, Elastic, Fit, Fuzzy, Hard, Nervous, Scoopy, Shiny, Slicky, Stiff, White



< 1>

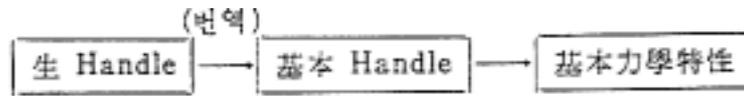
가

handle

- 1) , (numeri, shari)
- 2) , (koshi, hari)
- 3)
- 4)
- 5)

1)~3) 3 handle

(松尾) 2



< 2> Handle

, handle handle handle

handle 1 1 .

(松尾)

- 1) handle handle .
- 2) handle

3) handle [ handle-handle handle ]

handle handle .

handle 가

가 handle

, 가

handle

3.

1

가

handle

Howorth

handle

가

acryl

loop

8

10

panel

2

stiffness,

smoothness, fullness, softness

1

, cover factor,

11

4

11

< 2 >

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. 무게		0.86	-0.04	-0.26	-0.22	0.31	0.25	0.18	0.72	0.82	0.66	0.75	-0.70	0.79	-0.77
2. 두께			0.10	-0.22	-0.22	0.25	0.78	0.07	0.77	0.84	0.64	0.74	-0.72	0.91	-0.63
3. 比容積				0.23	-0.17	-0.09	-0.16	-0.70	0.31	0.12	-0.14	0.10	-0.21	0.26	0.10
4. 壓縮率					0.34	-0.84	-0.41	-0.38	-0.29	-0.39	-0.56	-0.63	0.41	-0.18	0.63
5. 壓縮彈性率 (壓縮係數)						-0.37	-0.21	0.04	-0.07	-0.21	-0.26	-0.28	0.57	-0.14	0.29
6. 伸長荷重 (cover factor)							0.42	0.38	0.30	0.41	0.58	0.63	-0.44	0.20	-0.63
7. 防皺度 (平均)								0.40	0.63	0.80	0.67	0.64	-0.63	0.65	-0.77
8. 剛軟度 (平均)									-0.14	0.12	0.43	0.25	0.03	-0.14	-0.26
9. 歪り率函數 (bias)										0.80	0.55	0.72	-0.62	0.83	-0.73
10. (subjective stiffness)											0.70	0.81	-0.74	0.81	-0.82
11. (subjective smoothness)												0.74	-0.66	0.58	-0.79
12. (subjective fullness)													-0.70	0.70	-0.88
13. (subjective softness)														-0.70	0.73
14. (subjective fullness)															-0.72
15. (subjective softness)															

가

complete antroid

4

3

a<sub>1</sub> 1

, a<sub>2</sub> 2

, a<sub>3</sub> 3

, a<sub>4</sub> 4 h<sup>2</sup>

1

stiffness, smoothness,

fullness, softness

2

3

cover factor

3

3~

5

3

2

< 3 >

變 數	因 子 負 荷 量				共 通 性
	$a_1$	$a_2$	$a_3$	$a_4$	$R^2$
1. 干 重	0.83	0.09	0.00	-0.57	1.02
2. 干 容 積	0.94	-0.21	0.04	-0.20	0.97
3. 比 容 積	0.04	-0.22	-0.77	-0.01	0.64
4. 壓 縮 率	-0.46	-0.66	-0.01	-0.38	0.79
5. 壓 縮 彈 性 率	-0.22	-0.49	0.23	0.14	0.36
6. 壓 縮 硬 度 係 數	0.47	0.67	-0.04	0.35	0.79
7. 伸 長 荷 重	0.81	0.01	0.28	0.38	0.88
8. cover factor	0.19	0.33	0.79	0.08	0.78
9. 防 皺 度	0.84	-0.20	-0.03	0.07	0.84
10. 剛 軟 度	0.94	0.00	0.00	0.00	0.88
11. 靜 力 學 係 數	0.78	0.34	0.20	0.00	0.76
12. subjective stiffness	0.89	0.23	-0.14	0.09	0.87
13. subjective smoothness	-0.75	-0.35	0.25	0.25	0.81
14. subjective fullness	0.89	-0.26	-0.20	-0.12	0.91
15. subjective softness	-0.86	-0.20	0.01	-0.31	0.88
$\Sigma a_i^2$	7.83	1.77	1.60	0.99	$\Sigma R^2$
$\Sigma a_i^2 / \Sigma R^2 (\%)$	64.23	14.52	13.13	8.12	12.19

vector

2, 3

handle

stiffness, smoothness,

fullness

subjective stiffness

subjective fullness

stiffness

fullness

smoothness

softness



$\langle 3 \rangle_{a_1, a_2}$



$\langle 4 \rangle_{a_1, a_3}$



● 官能特性  
○ 物理特性

< 5 > a<sub>1</sub> a<sub>3</sub>

4.

feed back

handle

handle

, handle

, handle

가