# Crown & Bridge Alloys

alldental

## COMPOSITION

| | Au | Pt | Pd | Ag | Ir | Rh | Cu | Zn | Sn | In | Fe | Ta | Ga |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alfa 1 | 60,0 | 0,9 | 3,5 | 22,5 | 0,1 | - | 12,0 | 1,0 | - | - | - | - | - |
| Alfa 2 | 75,0 | 9,1 | - | 13,1 | 0,1 | 0,6 | - | 2,0 | - | - | - | 0,1 | - |
| Alfa 3 | 74,0 | 1,0 | 3,0 | 12,5 | - | - | 8,0 | 1,5 | - | - | - | - | - |
| Alfa 4 | 71,0 | 1,0 | 3,0 | 10,0 | - | - | 13,0 | - | 1,0 | 1,0 | - | - | - |
| Alfa 5 | 76,5 | 3,0 | - | 9,0 | - | - | 10,9 | 0,6 | - | - | - | - | - |
| Alfa 6 | 71,0 | 1,0 | 3,5 | 10,5 | - | - | 13,4 | 0,6 | - | - | - | - | - |
| Alfa 7 | 70,5 | 4,3 | 2,0 | 13,2 | 0,1 | - | 8,7 | 1,2 | - | - | - | - | - |
| Alfa 8 | 83,3 | 4,8 | - | 10,0 | 0,1 | - | - | 1,8 | - | - | - | - | - |
| Alfa 9 | 72,0 | 3,3 | - | 13,7 | 0,1 | - | 10,4 | 0,5 | - | - | - | - | - |

## TECHNICAL DATA

| | Type | Colour | C° | 0.2MPa | RmMPa | % | Vickers(w) | Termisk | g/cm³ |
|---|---|---|---|---|---|---|---|---|---|
| Alfa 1 | 4 | | 850 - 925 | 618 | 625 | 5,0 | 160 | - | 14,0 |
| Alfa 2 | 4 | | 1030 - 1070 | 329 | 401 | 14,2 | 190 | - | 15,6 |
| Alfa 3 | 3 | | 930 - 990 | 245 | 385 | 33,0 | 145 | - | 15,4 |
| Alfa 4 | 4 | | 915 - 975 | 395 | 480 | 26,0 | 185 | - | 15,0 |
| Alfa 5 | 3 | | 900 - 950 | 275 | 363 | 20,0 | 150 | - | 15,9 |
| Alfa 6 | 4 | | 915 - 975 | 459 | 639 | 15,0 | 175 | - | 15,3 |
| Alfa 7 | 4 | | 900 - 960 | 490 | 648 | 17,0 | 175 | - | 16,1 |
| Alfa 8 | 2 | | 990 - 1070 | 360 | 433 | 13,0 | 130 | - | 18,1 |
| Alfa 9 | 4 | | 880 - 930 | 572 | 610 | 14,2 | 156 | - | 15,6 |

C° Melting Range
% Elongation
g/cm³ Density
0.2MPa Proof Stress
Vickers Hardness
RmMPa Tensile Strength
Termisk CTE