

PARTIAL DENTAL ALLOY (PA) 75

LARGE ENOUGH TO SERVE AND SMALL ENOUGH TO CARE!

Properties

I PA 75 Partial Dental Alloy is a Co-Cr-Mo alloy. PA 75 possesses high compression strength to resist bite force. This partial denture alloy is used to cast the brace for making dentures.

II **Nominal Composition:** (% by weight)

| | |
|------------|---------|
| Carbon | 0.25 |
| Chromium | 29 |
| Cobalt | Balance |
| Molybdenum | 5 |
| Silicon | 0.50 |

III **Physical Properties:**

| | |
|---------------------|-------------------|
| Casting Temperature | 2680° F (1475° C) |
| Tensile Strength | 95,000 psi |
| Yield Strength | 65,000 psi |
| Elongation | 7% |
| VH Hardness | 330 |
| HRC Hardness | 34 |

IV **Available Forms:** Ingot Ø 8 mm x 15 mm
Ingot Ø 8 mm x 20 mm

V **Caution:** This alloy contains cobalt and should not be used for persons with known cobalt sensitivity. Grind and polish with adequate ventilation only.

