

# NiCr Alloy Powder

N03 is a NiCr alloy powder for dental selective laser melting. It is chemically stable and has excellent metal-ceramic bonding performance. After forming, the restoration possesses advantages such as corrosion resistance, high hardness, oxidation resistance, durability, and aesthetic appeal, making it a trusted dental restorative material for many patients.

## Applications:

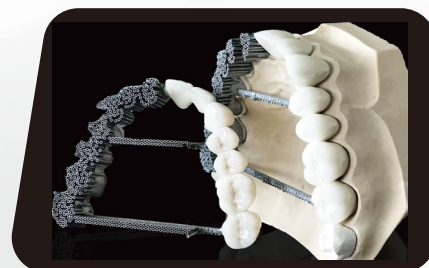
Crowns, bridges, inlays, posts and cores

Removable partial denture frameworks and clasps

Complete denture frameworks



## Sample Display:



## Finished Product's Features:

- Excellent Metal-ceramic Bonding Performance
- Suitable for Various Dental Products' Printing
- High Strength, Corrosion Resistance
- Antioxidant, Aesthetic

## Main Chemical Composition:

| Main Elements (wt%) |       |       |           |    |
|---------------------|-------|-------|-----------|----|
| Ni                  | Cr    | Mo    | Si        | Mn |
| Bal.                | 23-25 | 10-12 | 1.45-1.75 | ≤1 |
| Fe                  | Al    | O     | N         |    |
| ≤1                  | ≤1    | ≤0.06 | ≤0.06     |    |

## Basic Parameters:

| Apparent Density      | Tap Density           | Hall Flow Rate |
|-----------------------|-----------------------|----------------|
| ≥3.8g/cm <sup>3</sup> | ≥4.5g/cm <sup>3</sup> | ≤20s/50g       |

## Particle Size Distribution:

| D10     | D50     | D90     |
|---------|---------|---------|
| 12-18μm | 23-32μm | 46-52μm |