



★ STARBOND NI

NiCr bonding alloy for conventional, high-fusing (low expansion) ceramics.

- › Free of beryllium, cadmium and lead
- › Type 3 pursuant to DIN EN ISO 22674
- › High degree of purity
- › Biocompatible and extremely corrosion resistant

Composition:

Ni: 60,7% Cr: 24% Mo: 11% Fe: 1,5% Si: 1,8% C: <1%

ADVANTAGES FOR DENTAL TECHNICIANS:

- › System-free working due to very good alloy properties
- › Pleasant polishing properties and easy finishing due to low hardness of 200 HV10
- › Flexibility in ceramic selection and safe veneering
- › Excellent metal-ceramic bonding, even without bonder
- › Optimal conditions for laser welding
- › Application flexibility and easy melting, no sparking
- › An oxidation firing can be omitted

TECHNICAL PROPERTIES:

Proof stress (Rp 0.2)	340 - 355MPa
Ultimate tensile strength	490 - 510MPa
Elongation	5%
Elastic modulus	200GPa
Vickers hardness	200 HV 10
Density	8,2 - 8,3g/cm ³
Melting range	1310 - 1410°C
Preheating temperature	850 - 950°C
Casting temperature	1510 - 1560°C
CTE (20-600°C)	14,0 x 10 ⁻⁶ K ⁻¹
Laser weldable	Yes
Type (DIN EN ISO 22674)	3

QUANTITY

1000g

REF

131000