



☒ STARBOND COS

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

- Free of nickel, lead, beryllium and cadmium
- Type 5 pursuant to DIN EN ISO 22674
- High degree of purity
- Biocompatible and extremely corrosion resistant
- Composition:
Co: 59% Cr: 25% W: 9,5% Mo: 3,5% Si: 1% C,Fe,Mn,N <1%

ADVANTAGES FOR DENTAL TECHNICIANS:

- Wide range of indications
- System-free working due to very good alloy properties
- Pleasant polishing properties and easy finishing due to low hardness of 280 HV10
- A CTE of 14.0 enables flexibility in ceramic selection and safe veneering
- No cooling phase required, depending on the ceramics
- Excellent metal-ceramic bonding, even without bonder
- An oxidation firing can be omitted
- Optimal conditions for laser welding
- Application flexibility and easy melting; no sparking

TECHNICAL PROPERTIES:

Proof stress (Rp 0.2)	650MPa
Ultimate tensile strength	910MPa
Elongation	8%
Elastic modulus	200GPa
Vickers hardness	280 HV 10
Density	8,8 g/cm ³
Melting range	1305 - 1400°C
Preheating temperature	850 - 950°C
Casting temperature	1500 - 1550°C
CTE (20-600°C)	14,0 x 10 ⁻⁶ K ⁻¹
Laser weldable	Yes
Type (DIN EN ISO 22674)	5

QUANTITY

REF

1000g

133000

250g

133250