



Wironit® LA

Specially developed for laser welding

- Wironit® LA – wide range of indications for reliable application in the partial denture and combination technique
- Controlled carbon content and the addition of tantalum ensure excellent laser welding properties even in extreme cases
- Low thermal conductivity means high wearing comfort for the patient
- Thanks to the high elongation of fracture, clasps can be activated without any problem
- Biocompatible and corrosion-resistant

Product details

Composition in % by mass

Co 63.5 · Cr 29.0 · Mo 5.5 · Si 1.2 · C · Mn · N · Ta

Alloy characteristics

Alloy characteristics	Standard values
Type (ISO 22674)	5
Density	8.2 g/cm ³
Preheating temperature	950–1,050 °C
Solidus; liquidus temperature	1,260; 1,390 °C
Casting temperature approx.	1,450 °C
Young's modulus	240 GPa
Proof strength (R _{p0.2})	690 MPa
Elongation after fracture (A ₅)	9 %
Vickers hardness	365 HV10

Availability

Availability	Contents	REF
Wironit® LA	1,000 g	50100

Accessories

Wiroweld CoCr laser wire, carbon-free, Ø 0.35 mm	2 m – 1.5 g	50003
Wiroweld CoCr laser wire, carbon-free, Ø 0.5 mm	1.5 m – 2 g	50005
Cobalt-chrome solder	4 g	52520

ISO 22674