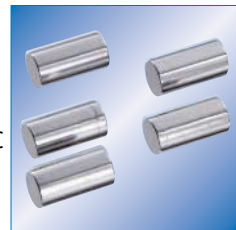


Infogramm®

remanium® 2000+

Characteristics

remanium® 2000+ is a new generation CoCr bonding alloy; it has been developed as a continuation of the well proven classic *remanium*® 2000. The physical characteristics have been optimised due to extrusion cast production.



Indications

A variety of indications:

- Crowns and bridges
- Telescope crowns
- Implant supported supra-structures
- Adhesively fixed bridges
- Secondary parts for cast alloy partial denture frameworks

Product advantages

- Increased working efficiency
 - No oxide firing required.
- Excellent melting and casting characteristics.
- Flexible handling:
 - High frequency, electrical arc and the torch are all methods with which *remanium*® 2000+ can be molten without spitting.
- Batch number on every alloy casting cylinder.
- Casting crucibles free of slack and residues.
- Excellent laser welding because *remanium*® 2000+ is carbon-free.
- Bio-compatibility:
 - Nickel-free
 - Beryllium-free
 - Iron-free
 - No questionable elements such as indium or gallium
 - High resistance to corrosion



Composition
% Mass

Co	Cr	Mo	W	Si
61,0	25,0	7,0	5,0	1,5

Other elements under 1%: Mn, N

Technical data
After DIN-No. 13912

Proof stress $R_{p0,2}$ (MPa)	700
Tensile strength R_m (MPa)	900
Modulus of elasticity (GPa)	200
Hardness (HV ₁₀)	340
Fracture elongation A_5 (%)	7
Solidus T_s (°C)	1325
Liquidus T_l (°C)	1415
Density g/cm ³	8,6
CTE (25-500 °C) (K ⁻¹)	14,0 x 10 ⁻⁶
Melting	+++
Casting	+++
Torch casting	+++
Finishing	++
Milling characteristics	++
Ceramic bonding	+++
Polishing	+++
De-gas	No
Laser welding	+++
Soldering with ...	CoCr 102-306-00
Investment material	Castorit® all speed Trivest Castorit® super C

+++ = excellent ++ = very good

Test marking/patents/
certificates of quality:

CE 0483 / certificate of bio-compatibility – anawa BIOSERVE
Scientific laboratories GmbH Munich.

Units available to order

50 g	Order-No. 102-601-10
250 g	Order-No. 102-602-10
1000 g	Order-No. 102-600-10

Date of information

04/04

