

# Infogramm®

## remanium® 2001

### Characteristics

*remanium*® 2001 is a new generation crown and bridge CoCr bonding alloy; The physical characteristics have been optimised due to extrusion cast production.



### Indications

Specially designed for use in crown and bridge techniques:

- Crowns and bridges
- Telescope crowns
- Adhesively fixed bridges

### 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*® 2001 can be molten without spitting.
- Excellent laser welding because *remanium* 2001 is carbon-free.
- Bio-compatible:
  - 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
63,0	23,0	7,3	4,3	1,6

Other elements under 1%: Mn, N

Technical data:  
After DIN-No. 13912

Proof stress $R_{p0,2}$ (MPa)	660
Tensile strength $R_m$ (MPa)	850
Modulus of elasticity (GPa)	195
Hardness (HV <sub>10</sub> )	336
Fracture elongation $A_5$ (%)	5,5
Solidus $T_s$ (°C)	1325
Liquidus $T_l$ (°C)	1415
Density g/cm <sup>3</sup>	8,6
CTE (25-500 °C) (K <sup>-1</sup> )	14,2 x 10 <sup>-6</sup>
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  
Medical Device Services Gilching

Units available to order

1000 g Art.-Nr. 102-600-01

Date of information

04/04

