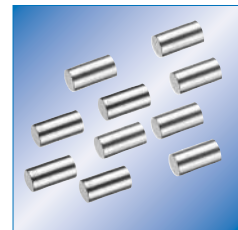


Infogramm®

remanium® GM 800+

Characteristics

remanium® GM 800+ Super Cast is a CoCrMo metal denture alloy with a high resistance to breakage due to excellent mechanical characteristics.



Indications

Universal uses:
 – The entire field of metal dentures
 – In combination techniques

Product advantages

- Mirror effect
 The correct casting time can be easily recognised preventing overheating of the molten material, therefore producing smooth and clean castings which are easy to polish and subsequently surfaces which shine to a high lustre
- The reduced surface hardness also makes the metal easier to polish
- A high modulus of elasticity enables a detailed but strong framework construction
- Optimal laser welding characteristics due to reduced carbon content



- Biocompatible:
 - Nickel free
 - Beryllium free
 - Iron free
 - No questionable elements such as indium or gallium
- Highly resistant to corrosion

Composition:
Percentages in mass

Co	Cr	Mo	Si
63.3	30.0	5.0	1.0

Additional elements under 1 %: N, Mn, C

Technical Data:
according to
EN ISO 6871-1

Limit of expansion $R_{p0,2}$ (MPa)	720
Tensile strength R_m (MPa)	960
Modulus of elasticity E (GPa)	230
Hardness (HV ₁₀)	370
Fracture elongation A_5 (%)	6.0
Solidus T_s (°C/°F)	1240/2264
Liquidus T_l (°C/°F)	1410/2570
Density g/cm ³	8.2
Elasticity	super spring hard
Activation	+++
Melting	+++
Mirror effect	yes
Finishing and polishing	+++
Laser welding	+++
Soldering with CoCr-Solder	++
Order No. 102-306-00	
Investment material	rema [®] dynamic top speed rema [®] dynamic rema [®] Exakt

+++ = excellent, ++ = very good

Certification mark/
Quality certificate/
Patents:

CE 0483
Medical Device Services Gilching

Sales units

1000 g Order No. 102-200-10

Date of
information

07/04

