

NPM-PARTIAL DENTURE ALLOYS



TECHNICAL PROPERTIES:	
Proof stress (Rp 0.2)	510 - 600MPa
Ultimate tensile strength	770 - 780MPa
Elongation	>3%
Elastic modulus	200 - 230GPa
Vickers hardness	355 HV 10
Density	8.4 g/cm³
Melting range	1170 - 1390°C
Preheating temperature	850 - 950°C
Casting temperature	1490 - 1540°C
Laser weldable	Yes
Type (DIN EN ISO 22674)	5



TECHNINĖS SAVYBĖS:	
Atsparumas stresui (Rp 0.2)	500MPa
Galutinis tvirtumas	760MPa
Patlėjimas	6%
Tamprumo modulis	250GPa
Kietumas vikeriais	380 HV 10
Tankis	8.1g/cm³
Lydimosi intervalas	1200 - 1385°C
Pašildymo temperatūra	850 - 950°C
Liejimo temperatūra	1485 - 1540°C
Išsiplėtimo koeficientas (20-600°C)	14,9 x 10⁻⁶ K⁻¹
Ar lydomas lazeriu?	Taip
Tipas (DIN EN ISO 22674)	5

MODELSTAR S

CoCr partial denture alloy for the whole range of removable partial dentures from combined fixed-removables restorations to clasp-retained dentures.

- › Free of nickel, beryllium, cadmium and lead
- › Type 5 pursuant DIN EN ISO 22674
- › High degree of purity
- › Biocompatible and extremely corrosion resistant
- › High wearing comfort due to low thermal conductivity
- › Composition:
Co: 62,7% Cr: 29% Mo: 6% C,Fe,Si,Mn: <1%

ADVANTAGES FOR DENTAL TECHNICIANS:

- › Excellent for casting of 3D printed plastic parts
- › Especially patient-friendly due to a low thermal conductivity
- › System-free working due to very good alloy properties
- › Universally applicable for clasp-retained prostheses and combined techniques
- › Pleasant polishing properties and easy finishing
- › Optimal conditions for laser welding
- › Application flexibility and easy melting, no sparking

QUANTITY	REF
1000g	132100
250g	132250

STARBOND CO

CoCr metalas daliniams protezams (rišamas) ir sudėtingų kombinuotų restauracijų bei plonų kablukų gamybai.

- › Be nikelio, berilio, kadmio ir švino
- › Priskiriamas prie 5 tipo pagal DIN EN ISO 22674
- › Pulkus grūnimo laipsnis
- › Biologiškai suderinamas ir labai atsparus korozijai
- › Dėl mažo šilumos laidumo - didelis dėvėjimo komfortas
- › Sunkiai spyruokluojantis
- › Sudėtis:
Co: 62% Cr: 30% Mo: 5,5% Si: 1% C,Fe Mn:<1%

PRIVALUMAI DANTŲ TEHNIKAMS:

- › Universaliai pritaikomas protezams su užraktu, kombinuotoms bei keramikos restauracijoms.
- › Puikiai tinka 3D spaudintuvų gamintų detalių liejimui
- › Dėka labai gerų metalo savybių, darbo eiga nėra prižišta prie jokių sistemų
- › Lengvai poliruojamas ir nesunkiai apdirbamas
- › Optimalios sąlygos lydyti lazeriu
- › Lankstus pritaikymas ir lengvas lydimas, nekilbirkščiuoja

QUANTITY	REF
1000g	132000

MOGUCAST EH

CoCr partial denture alloy for sophisticated combined restorations.

- › Free of nickel, beryllium, cadmium and lead
- › Type 5 pursuant to DIN EN ISO 22674
- › Excellent degree of purity
- › Biocompatible and extremely corrosion resistant
- › High wearing comfort due to low thermal conductivity
- › Spring hard
- › Composition:
Co: 62% Cr: 25% W: 9% Nb:2% C,V,Mo,Mn,Si:<1%

ADVANTAGES FOR DENTAL TECHNICIANS:

- › Particularly suitable for extremely graceful removables
- › Ideal alloy for restorations which are exposed to very high loads
- › Excellent for casting of 3D printed plastic parts
- › Universally applicable for clasp-retained prostheses and combined techniques
- › Pleasant polishing properties and easy finishing
- › Optimal conditions for laser welding
- › System-free working due to very good alloy properties

QUANTITY	REF
1000g	132200

NPM-PARTIAL DENTURE ALLOYS



TECHNICAL PROPERTIES:	
Proof stress (Rp 0.2)	662MPa
Ultimate tensile strength	877MPa
Elongation	>4%
Elastic modulus	200 - 210GPa
Vickers hardness	420 HV 10
Density	8,7g/cm³
Melting range	1320 - 1400°
Preheating temperature	850 - 950°C
Casting temperature	1500 - 1550°C
Laser weldable	Yes
Type (DIN EN ISO 22674)	5

