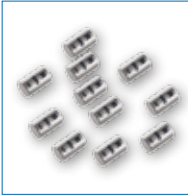


remanium® secura

Infogramm®

Characteristics	<p><i>remanium® secura</i> is a new generation chrome cobalt metal-ceramic alloy, that shows reliable handling characteristics with all casting techniques, especially vacuum/pressure casting</p>	
Indications	<p>Multi-purpose alloy:</p> <ul style="list-style-type: none"> ■ for crown and bridgework ■ secondary crowns ■ implant-borne superstructures ■ adhesive bridges ■ secondary crowns for chrome cobalt dentures (fixed/removable appliances) 	
Product advantages	<ul style="list-style-type: none"> ■ reliable melting and casting characteristics, especially with vacuum/pressure casting, resulting from the narrow melting range ■ no danger of spattering or increased slagging ■ small ingots (4 g) allow exact portioning of the alloy: ideal and economical filling of the crucible ■ high mechanical strength thanks to tantalum mixed-crystal reinforcement ■ optimised firing behaviour of the veneering porcelain through low oxidation ■ does not influence the shade of the bonded porcelain ■ polished surface has a radiant lustre due to the high chrome content 	



Composition Percentages by mass	Co	Cr	Mo	W	Si	Ta
	58	30	3	5.5	1.5	1.25
Additional elements less than 1 %: N						
Technical data (ISO 9693)	Yield strength $R_{p\ 0,2}$ (MPa)	760				
	Tensile strength R_m (MPa)	940				
	Modulus of elasticity E (GPa)	211				
	Hardness (HV 10)	340				
	Elongation A_5 (%)	5.3				
	Solidus temperature (°C/°F)	1329/2424				
	Liquidus temperature (°C/°F)	1385/2525				
	Density g/cm ³	8.6				
	CTE (25-500 °C/77-932 °F)	14.4 x 10 ⁻⁶				
	Melting	+++				
	Casting	+++				
	Torch melting	+++				
	Finishing	++				
	Milling characteristics	++				
	Ceramic bonding	+++				
	Polishing	+++				
	Oxide bake	No				
	Laser welding	+++				
	Soldering with CoCr	REF 102-306-00				
	Investment material	Castorit® all speed Trivest Castorit® super C				
+++ = excellent, ++ = very good						
Test marking/ patents/ certificates of quality	CE 0483					
Units available to order	REF 102-631-00					50 g
	REF 102-632-00					250 g
	REF 102-630-00					1000g
Date of information	03/09					