



LUKACHrom

Non-precious metal alloys



LUKACHROM **C**

LUKACHROM **FH**

LUKACHROM **N**

LUKACHROM C



Non Precious Alloy for Ceramics on Co-Cr-Base



Perfect for all casting machines, because alloy has no spatter-effect



Good casting mirror allows easy detection of correct casting moment



Made in Germany

Composition		Technical Data	
Co	63,0 %	Type	NEM burn-on-alloy
Cr	24,0 %	Vickers hardness	280
Mo	3,0 %	Yield strength	550 MPa
W	8,0 %	Tensile strength	580 MPa
Niob	1,0 %	Modulus of elasticity	200 GPa
Si	1,0 %	Elongation at break	10 %
other elements	< 1,0 %	Density	8,3 g/qcm
		Solidus point	1.304° C
		Liquidus temperature	1.369° C
		WAK value (25-500° C) (25-600° C)	13,9 µm/m.k 14,0 µm/m.k

Application area:

Non Precious Alloy for single crowns, small and larger bridges

Advantages:

Very good ceramic-bond strength at an excellent cost- performance ratio.

Certified biocompatibility with a very good tissue friendliness.

Excellent casting quality, light oxide forming and easy to polish:

We recommend:

LUKAVest CB

Universal - Speed - Investment material



for the crown and bridge technique

30 x 150 gr

and LUKAVest Liquid mixing liquid

LUKACHROM FH



Non Precious Alloy for Partial Dentures on Co-Cr-Base



Perfect for all casting machines, because alloy has no spatter-effect



Good casting mirror allows easy detection of correct casting moment



Made in Germany

Composition		Technical Data	
Co	62,5 %	Type	NPA for Frame Works
Cr	30,0 %	Vickers hardness	375
Mo	5,0 %	Yield strenth	620 MPa
W	-	Tensile strength	920 MPa
Niob	-	Modulus of elasticity	220 GPa
Si	1,0 %	Elongation at break	4,5 %
other elements	< 1,0 %	Density	8,2 g/qcm
		Solidus point	1.304° C
		Liquidus temperature	1.369° C
		WAK value	14,7 µm/m.k

Advantages:

Very good casting quality thanks to excellent technical data

Good spring effect

High-quality production in continuous casting process

Excellent price - performance ratio

Nickel, cadmium and beryllium free

Laser compatible

We recommend:

LUKAVest PA

Universal - Speed - Investment material



for the model casting technique

15 x 400 gr

and LUKAVest Liquid mixing liquid

LUKACHROM N

Alloy for Ceramics on Nickel-Chrome-Base



Perfect for all casting machines, because alloy has no spatter-effect



Good casting mirror allows easy detection of correct casting moment



Made in Germany

Composition		Technical Data	
Ni	62,0 %	Type	NPA burn-on-alloy
Cr	25,0%	Vickers hardness	220 HV 10
Mo	10,6%	Yield strenth	440 MPa
Si	1,9%	Tensile strength	580 MPa
other elements	< 1 %	Modulus of elasticity	200 GPa
		Elongation at break	8 %
		Density	8,2 g/qcm
		Solidus point	1.210° C
		Liquidus temperature	1.300° C

Advantages:

Very good ceramic-bond strength at an excellent cost- performance ratio.

Certified biocompatibility with a very good tissue friendliness.

Excellent casting quality, light oxide forming and easy to polish:

Application area:

Non Precious Alloy for single crowns, small and larger bridges