

Remanium® star CL

powered by Dentaureum

CoCrW-alloy (powder) acc. to EN ISO 9693/DIN EN ISO 22674, Type 5

CE 0483

Remanium® star CL is a CoCrW- alloy for metallic restorations manufactured by selective laser melting process. Remanium® star CL is intended for use with laser melting devices of CONCEPT Laser GmbH .

Chem. composition (% mass by mass)			
Co	Cr	W	Si
60,5	28	9	1,5
Other elements <1 %: Mn, N, Nb, Fe. Free from nickel, beryllium and gallium			

Technical data acc. to EN ISO 9693 / EN ISO 22674	
Yield Strength $R_{p0,2}$:	635 MPa
Elongation at fracture A_5 :	10 %
Modulus of elasticity E:	230.000 MPa
Melting range Δ :	1320-1420°C
Density ρ :	8,6 g/cm ³
Coefficient of thermal expansion TEC (25-500°C):	14,1 x 10 ⁻⁶ K ⁻¹
Colour:	white
Metal- ceramic bond strength acc. to EN ISO 9693, 3-Pt.- bending test (min. 25 MPa acc. to EN ISO 9693):	40 MPa (Carmen CCS, Dentaureum)
Type:	5
Biocompatibility, L 929-Proliferation acc. to EN ISO 10993-5, -12, ISO 9363-1, LM SOP 4-06-01:	No deliberation of cell toxic active substances
Corrosion resistance, static immersion test acc. to EN ISO 10271: (max. 200 µg/cm ² x 7d acc. to EN ISO 22674)	Ion release 3,5 µg/cm ² x 7d

Indications:

Crowns and bridges, frames for metal ceramic veneering, cast partials, primary – and secondary parts for combined restorations