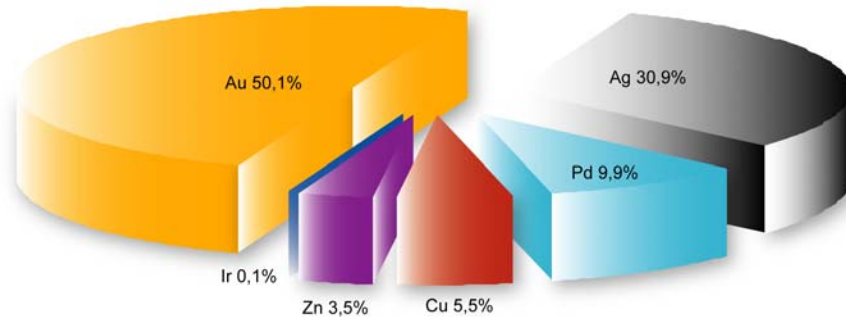


Technical Data Sheet Elfenbeingold® G2

Content:	Au	50,1	Cu	5,5
	Ag	30,9	Zn	3,5
	Pd	9,9	Ir	0,1



NORM:	DIN EN ISO 22674
Type:	5
Colour:	light yellow
Melting range °C:	970-910
Vickers hardness (HV 5/30):	s: 160 h: 260 c/f: 245
0,2% Yield strenght (MPa):	s: 480 h: 800 c/f: 740
Elongation (%):	s: 20 h: 8 c/f: 10
Softening:	15 min at 750 °C/quench in water
Hardening:	15 min at 350 °C/air
Pre-heating temperature °C:	700
Casting temperature °C:	1100
Heating after melting (s):	electric.: 15 - 20 inductive: 5 - 8 flame: 5 - 8
Density g/cm³:	13,4
Solders:	Orplid Lote CF 825, 790, 760

Processing Guide Elfenbeingold® G2

Applying of casting sprues: according to dental norms (see general operating instruction)

Investing: phosphate bonded investings (Cehacast P or Cehacast Speed)

Pre-heating: 700 °C, 30 to 120 min at end temperature, corresponding to muffle size

Casting: 1100 °C, graphite crucible resp. at open flame with ceramic crucible

Trimming: with carbide milling and/or ceramical bonded abrasives

Cleaning: ultrasonic cleaning or steaming with steam device

Soldering: Orplid Lote CF 825, 790, 760

Proof of conformity:



Please find results of the extensive analysis of bio-compatibility online at www.c-hafner.de

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