

Table of materials.

Physical properties:											Mechanical properties						
Abbreviation	Name (number of alloy)	Colour	Composition							Melting range	CTE (25–500°C)	Hardness HV5 as delivered	0.2% Proof stress (Rp 0.2%)	Thermal treatment			
			Au%	Pt%	Pd%	Ag%	Cu%	Ir%	Others					Self-hardening	Partially self-hardening	Heat treatment after laser or brazing	Cannot be thermally treated
A	Alpha (0094)	White	35.00	1.00	10.50	41.00	12.00		Ir 0.50	880–960°C	–	(80% cold-formed) >240 > 695 Mpa		✓		✓	
C	Ceramicor® (0037)	White	60.00	19.00	20.00			1.00		1400–1490°C	11.9 x 10 ⁻⁶ K ⁻¹	(15–75% cold-formed) >215 > 650 Mpa			✓		
D	Doral (0092)	Light grey	15.00		22.00	49.30	13.70			930–1015°C	–	(35–65% cold-formed) >230 > 600 Mpa		✓		✓	
E	Elitor® (0054)	Yellow	68.60	2.45	3.95	11.85	10.60	0.05	Zn 2.50	880–940°C	–	(30–70% cold-formed) >240 > 710 Mpa		✓		✓	
EL	Elasticor (0053)	Bright yellow	61.00	13.50		16.50	9.00			950–1050°C	–	(25–50% cold-formed) >250 > 700 Mpa					✓
O	OSV (0082)	White	60.00	10.50	6.50	7.00	14.00		Zn 2.00	960–1065°C	–	(35–50% cold-formed) >275 > 850 Mpa		✓			
P3	Protor (0099)	Yellow	68.60	2.45	3.95	11.85	10.60	0.05	Zn 2.50	895–960°C		(soft annealed) 175 410 Mpa		✓		✓	
V	Valor (0766)	White	10.00	89.00				1.00		1660–1710°C	9.2 x 10 ⁻⁶ K ⁻¹	(35–70% cold-formed) >240 > 720 Mpa		✓			

Abbreviations	Name	Physical properties:	
		Colour	Composition
G	Galak	Various colours	Mouth-resistant plastics Cendres+Métaux SA uses various plastics in the attachments as finished parts for polymerisation such as glide inserts or auxiliary parts.
K	Korak	Various colours	Burn-out plastic
M	Med steel	White	Material 1.4435 according to the standards DIN 17440 or AISI 316L.
P	Pekkton®	Various colours	Mouth-resistant high performance polymer Cendres+Métaux SA uses this polymer in the attachments as finished parts for polymerisation such as glide inserts or auxiliary parts.
T	Pure titanium	Grey	Titanium materials according to the standards ASTM F67 (Grade 1 to 4) or ASTM B 348 Grade 1-4 and 36 or ISO 5832-2.
S	Syntax	Grey	Titanium materials according to the standards ASTM F136 or ASTM B 348 Grade 5 ELI or Grade 23.
X	Steel	White	Stainless steel, corrosion-resistant
	Santoprene	White	Mouth-resistant plastic
	Elastomer		Mouth-resistant plastic