

TEMPO MULTI DISK & BLOCK

Discs and blocks made of a multi-layer PMMA composite (more than 15% of ceramic component) with high molecular weight, suitable for the preparation of long-lasting frameworks of high quality.

- ✓ Indicated for long-lasting temporary crowns and bridges by CAD/CAM milling systems
- ✓ Available in the shades A1 - A2 - A3 - A3.5 - B2
- ✓ Thickness disc: 20 mm
- ✓ Dimensions block: 15,5 x 19,0 x 39,0 mm



The peculiarity of TEMPO MULTI is the chromatic layering from cervical to enamel; the aesthetic result will vary according to the positioning of the structure into the disc.

TECHNICAL DATA

Composition	PMMA
Water solubility	0,8 µg/mm ³
Water absorption	22 µg/mm ³
Flexural strenght	> 100 MPa
Modulus of elasticity	> 2200 MPa
Residual monomer	< 0,7%

CAST

CAD/CAM discs made of PMMA with high molecular weight.

- ✓ Easy to mill, finish and polish
- ✓ Plaque resistant
- ✓ Excellent biocompatibility
- ✓ Thickness: 15 / 20 mm



CAST, semitransparent PMMA, is 100% burnout and can be also used in the traditional casting technique.

The CE mark allows the use for testing in the oral cavity.

TECHNICAL DATA

Composition	100% PMMA
Water solubility	< 1,7 µg/mm ³
Water absorption	< 18 µg/mm ³
Flexural strenght	> 100 MPa
Modulus of elasticity	> 2500 MPa

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THE ANSWER TO YOUR NEEDS



"a smile makes the difference"

SINERGIA DISK is compatible with the most of CAD/CAM milling systems: Ø 98.5 mm with 10 mm step.

The wide material range enables the technician to be flexible in his everyday working routine.



SINERGIA: Your partner in your daily work

"a smile makes the difference"

Ti

Aesthetics for temporary and implant works

KERAMIT NP

One alloy, three technologies



SINERGIA DISK Ti
The availability of the discs in Titanium grade 5 (ELI: highest purity) allows the milling of frameworks perfectly matching to the virtual project.

Thanks to its excellent biocompatibility, corrosion resistance, physical-mechanic properties, low density, reduced oxygen content (0,13% max) and low thermal conductivity it is used since decades in the biomedical, aerospace, automotive and petrochemical fields.

Of course the Titanium is the reference material in the dental implantology.

To be used with the aesthetic composite or ceramic (see the technical data: ceramics for titanium)

Thickness: 10 / 12.5 / 15 / 20 mm.

TECHNICAL DATA	
Composition	90% Ti - 6% Al - 4% V < 0,4%
Density	4.4 g/cm³
Melting range	1604 – 1660 °C
CTE 25-500°C	9.6 10 ⁻⁶ K ⁻¹
Vickers Hardness	350
Modulus of elasticity	115 GPa
Yield strength	> 760 MPa
Elongation	> 8 %
acc. ISO 22674	Type 4



Since 1988 millions of prosthetic elements have been produced in non-precious alloys by Nobil-Metal.

With **KERAMIT NP** (ingots) we conceived a Co-Cr dental casting alloy appreciated by many dental technicians, compatible with the most popular ceramics.

KERAMIT NP-S in powder form is the natural evolution of the casting alloy, dedicated to the laser sintering process.

With **SINERGIA DISK KERAMIT NP** (discs to be milled) we complete the application range.

Now we are able to offer one alloy for all dental production technologies, with the same chemical composition and therefore the same technical characteristics and the related benefits.

- ✓ **safe:** the alloy is widely compatible with many veneering porcelains due to its optimized CTE 25-500°C 13.9 x 10⁻⁶ K⁻¹
- ✓ **stable:** because of the excellent density obtained with the perfect adaption to the respective production technology
- ✓ **economical:** easy to mill, finish and polish
Hardness: 285 HV 10/30 (softer than the major part of the co-cr alloys on the market)
Thickness: 10 / 12 / 13.5 / 15 / 18 mm

COMPOSITION					
Co	Cr	W	Mo	Si	Nb
63%	24%	8%	3%	1%	1%

TECHNICAL DATA	
Colour	White
Density	8,3 g/cm³
Melting range	1305-1370 °C
CTE 25 – 500°C	13,9 10 ⁻⁶ K ⁻¹
CTE 25 – 600°C	14,0 10 ⁻⁶ K ⁻¹
Modulus of elasticity	210 GPa
Yield strength	490 MPa
Elongation	10%
Adhesion	> 40 MPa
Hardness	285 HV 10/30

CE0546