

NAME OF PRODUCT: **Kera<sup>®</sup>C**

DESCRIPTION: Non-precious-dental cast alloy for ceramics on cobalt-base, Type 5

MEASURE: Ø 8 mm x 15 mm

LOT / BATCH.NO.: P 2012-01



0434

CHEMICAL COMPOSITION:

Co %	Cr %	W %	Nb %	V %	Mo %	Si %
~ 60	24,50	8,80	2,30	1,8	1,2	0,87
Fe %	Al %	C %				
0,08	0,003	0,009				

REMARKS REGARDING THE CHEMICAL COMPOSITION:

**DETERMINATION, EXTENT AND VALIDITY OF THE CHEMICAL COMPOSITION according to EN 10 204 - 2.2**

TYPICAL TECHNICAL DATA:

**Yield strength 0,2%<sup>\*1</sup>:** > 500 MPa  
**Elongation<sup>\*1</sup>:** > 2 %  
**Tensile strength\*:** 790 MPa  
**Density\*:** 8,4 g/cm<sup>3</sup>  
**Youngs modulus<sup>\*1</sup>:** > 150 GPa  
**Melting Point (Solidus/Liquidus)\*:** 1370 °C / 1385 °C  
**Value of Extension (25 – 500 °C)\*:** ~14,5 x10<sup>-6</sup>K<sup>-1</sup>  
**Casting temperature:** 1485 °C  
**Hardness:** ~ 340 HV 10  
**Burning temperature:** ca. 980 °C

\*1 by norm

\*Excel-List Test MP

**NORM: DIN EN ISO 22674:2006**  
**ED GmbH is certified according to**  
**DIN EN ISO 13485:2003 / DIN EN ISO 9001:2008**  
**with appendix V MP-recommendation 93/42/EWG**

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