

NAME OF PRODUCT: **Kera<sup>®</sup>-Disc**

DESCRIPTION: Non-precious-dental milling alloy on cobalt-based, Typ 4

MEASURE: Ø 98,3 x 15 mm  
Ø 99,5 x 15 mm

LOT / BATCH.NO.: B 12-357



0434

CHEMICAL COMPOSITION:

Co %	Cr %	W %	Mn %	Fe %	Si %	C%
~ 62	27,80	8,22	0,21	0,13	1,54	0,02

TYPICAL TECHNICAL DATA:

<b>Yield strength 0,2%*:</b>	~ 375 MPa
<b>Elongation*:</b>	~ 14,7 %
<b>Tensile strength*:</b>	~ 525 MPa
<b>Density*:</b>	8,5 g/cm <sup>3</sup>
<b>Youngs modulus (not relevant for type 4):</b>	~ 240 GPa
<b>Melting Point (Solidus/Liquidus)*:</b>	1400 °C / 1418 °C
<b>Value of Extension (25 – 500 °C)*:</b>	~ 14,5 x10 <sup>-6</sup> K <sup>-1</sup>
<b>Casting temperature:</b>	1518 °C
<b>Hardness*<sup>1</sup>:</b>	285 HV 10 ± 55 HV 10
<b>Burning temperature:</b>	ca. 980 °C

\*Excel-List Test MP \*1 With appropriate sample preparation

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**