

NAME OF PRODUCT: **Kera<sup>®</sup>Ti 5-Disc**

DESCRIPTION: Non-precious-dental milling alloy on  
titan-aluminium-vanadium base

MEASURE: with step  
Ø 99,5 x 12 mm

LOT / BATCH.NO.: Ti 11-08



0434

CHEMICAL COMPOSITION:

aluminium %	vanadium %	nitrogen %	iron %	oxygen %	carbonate %
6,20	4,0	0,01	0,09	0,07	0,03
hydrogen %	titan %				
0,0021	Rest				

TYPICAL TECHNICAL DATA:

<b>Yield strength 0,2%:</b>	<b>760 MPa – 850 MPa</b>
<b>Elongation:</b>	<b>8 % - 14 %</b>
<b>Tensile strength:</b>	<b>525 MPa – 985 MPa</b>
<b>Density:</b>	<b>4,4 g/cm<sup>3</sup></b>
<b>Melting Point (Solidus/Liquidus):</b>	<b>1650 °C ± 50 °C</b>
<b>Value of Extension (200 – 400 °C):</b>	<b>~ 12,4 x10<sup>-6</sup>K<sup>-1</sup></b>
<b>Hardness*<sup>1</sup>:</b>	<b>310 HV 10 ± 41 HV 10</b>
<b>Burning temperature:</b>	<b>ca. 980 °C</b>

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

NORM: **ASTM F 136**  
**ED GmbH is certified according to**  
**DIN EN ISO 13485:2003 / DIN EN ISO 9001:2008**  
**with appendix V MP-recommendation 93/42/EWG**