

NAME OF PRODUCT: **Dentium®**

DESCRIPTION: Non-precious-model cast alloy on cobalt-based, Type 5, hard

MEASURE: Ø 8 mm x 15 mm

LOT / CHARGEN-NR.: F12-33

CE
0434

CHEMICAL COMPOSITION:

| Co % | Cr % | Mo % | Mn % | C % | Si % |
|------|---------------------|------|------|------|------|
| ~ 61 | 30,18 | 5,55 | 0,55 | 0,63 | 0,97 |
| Fe % | Sonstige Elemente % | | | | |
| 0,58 | < 0,5 | | | | |

REMARKS REGARDING THE CHEMICAL COMPOSITION:

Determination, volume and validity of the chemical composition according EN 10 204 – 3.1

TYPICAL Technical Data:

| | |
|---|-----------------------------|
| Yield strength 0,2 %*¹: | > 500 MPa |
| Elongation*¹: | > 2 % |
| Tensile Strength: | < 700 MPa |
| Density: | 8,3 g/cm³ |
| Youngs modulus *¹: | > 150 GPa |
| Melting Point (Solidus/Liquidus)*: | 1250 °C / 1260 °C |
| Casting temperature: | 1360 °C |
| Hardness*: | ~ 440 HV 10 |

*¹ by Norm *Excel-List Tess 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