

GQ QUATTRO DISC NP

TECHNICAL DATA SHEET

Cobalt-based dental alloy for metal-ceramic, type 4 according to EN ISO 22674

Percentage chemical composition (m/m)

Co	66
Cr	27
Mo	6
Others (<1 %)	Si, Mn

Physical and mechanical properties

Density	8.4 g/cm ³
Solidus-liquidus temperature	1,307–1,417 °C
Melting point	1,470 °C
Yield load strength (R_{p0.2})	395 MPa
Elongation at break	11 %
Tensile strength	678 MPa
Young's modulus	233 GPa
Vickers hardness	255 HV10
Colour	white
CTE value (25–500 °C)	14.3 × 10 ⁻⁶ K ⁻¹
CTE value (25–600 °C)	14.5 × 10 ⁻⁶ K ⁻¹
maximum baking temperature	980 °C
Cytotoxicity test according to ISO 109935-5	passed
Suggested ceramics	Noritake EX-3, VITA VM13