

GQ SOLDER STICK

TECHNICAL DATA SHEET

Cobalt based dental alloy for welding, according to EN ISO 9333:2006

Percentage chemical composition (m/m)

Co	62.0 %
Cr	29.0 %
Mo	4.0 %
Si	3.5 %
C	<1.0 %
Mn	<1.0 %
Fe	<1.0 %

Physical and mechanical properties

Colour	white
Density	8.2 g/cm ³
Solidus-liquidus temperature	1,071–1,260 °C
Melting point	1,310 °C
CTE value (25–500 °C)	15,5 × 10 ⁻⁶ K ⁻¹
CTE value (25–600 °C)	15,8 × 10 ⁻⁶ K ⁻¹
Cytotoxicity test according to ISO 109935-5	passed