



1 kg | REF 102-403-05

#### Composition (percentage by mass)

Ni	Cr	Mo	Si
61	26	11	1.5

Additional elements ≤ 1 %: Ce, Co, Fe



#### Technical data

0.2% Yield strength $R_{p0.2}$	340 MPa
Tensile strength $R_m$	580 MPa
Hardness	195 HV 10
Elongation $A_5$	15 %
Modulus of elasticity E	170 GPa
Density	8.2 g/cm <sup>3</sup>
CTE 25-500 °C / 77-932 °F	14 x 10 <sup>-6</sup> K <sup>-1</sup>
Solidus temperature	1260 °C / 2300 °F
Liquidus temperature	1350 °C / 2462 °F
Weight casting ingots	6 g

- Excellent ceramic bonding – even after multiple firings.
- Especially easy trimming due to clearly reduced surface hardness.
- Beryllium-free, biocompatible.
- Orally stable and corrosion free due to high portion of chrome and molybdenum.
- Fast and easy melting.
- Especially suitable for torch casting – no sparking during melting.
- No slow cooling required when firing ceramic.
- Extreme homogeneity of each ingot due to continuous casting manufacturing technique.
- Optimised laser weldability.
- All ingots are marked with batch number.