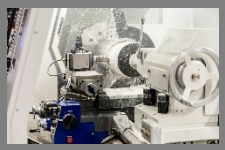
Technical Datasheet
80A




Characteristics and scope of application

- Material may be offered solution annealed or precipitation hardened.
- It offers reasonable strength, good corrosion and creep resistance in air at elevated temperatures up to 1472°F.

Standard designations

• DN designation	NiCr20TiAl
• Alloy number / UNS	2.4952 / 2.4631 / N07080
• Norms	DIN 17742 / DIN EN 10090 / DIN EN 10269 / DIN EN 10302 / ASTM B 637
• Typical chemical composition	Ni 75%, Cr 20%, Ti 2.2%, Al 1.4%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
lb/in³	°F	Ohm CMF	10^{-6}/°F | 68 to 752°F
0.30	2480	746	7.8

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	MPa	%
130* 175**	87* 116**	30* 20**

* solution annealed
** solution annealed and precipitation hardened

Deutsche Nickel

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