

Standardization and composition

CuNi3Si

Physical properties	
Norm	CuNi3Si
Density (kg/dm ³)	8.8
Melting range (°C)	1030 - 1050
E-Modulus (kN/mm ²)	143
Thermal conductivity (W / m x K)	59 - 120
Coefficient of linear mean expansion (10-6/K)	16.0
Electric conductivity (m / Ω x mm ²)	ausgehärtet 16 - 19
Electric conductivity (IACS %)	~ 27 - 32
Resistivity (Ω x mm ² /m)	0.0952 - 0.1053
EN DIN 12166	CW 112C
Alloy composition	Average values according to standard (%)
Cu	balance
Ni	3.8
Si	1.0
Others	max. 0.5

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