

NES 835 DEFSTAN 02-835

Chemical Properties

Element	Chemical composition %
Copper (Cu)	74.3 - 81.3
Nickel (Ni)	13.5 - 16.5
Iron (Fe)	0.70 - 1.20
Manganese (Mn)	3.50 - 5.50
Aluminium (Al)	1.00 - 2.00
Chromium (Cr)	0.0 - 0.50

Mechanical Properties

Property	Value
Proof stress	430 min MPa
Tensile strength	725 min MPa
Elongation	18% min

Physical Properties

Property	Value
Density	8.50 Kg/m ³
Thermal conductivity	16.3 W/m.K

Product Forms

Round Bar

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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