

7S80D - AMS5628

Chemical Properties

Element	Chemical Composition %
Carbon (C)	0.12 - 0.20 max
Silicon (Si)	1.0 max
Manganese (Mn)	1.0 max
Phosphorous (P)	0.030 max
Sulphur (S)	0.025 max
Chromium (Cr)	15.0 - 18.0 max
Nickel (Ni)	2.0 - 3.0 max

Mechanical Properties

Property	Value
Tensile Strength (MPa)	880 / 1080
0.2% Proof Stress (MPa)	690
Elongation On 5.65 Sqr S0 (%)	12
Brinell Hardness (HB)	255 / 321

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.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

Material supplied by the Company may vary significantly from this data, but will conform to all relevant and applicable standards.

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