

AMS5629 - 13/8PH

Chemical Properties

Element	Chemical Composition %
Carbon (C)	0.00 - 0.05
Manganese	0.00 - 0.10
Phosphorus (P)	0.00 - 0.010
Sulphur (S)	0.00 - 0.008
Silicon (Si)	0.00 - 0.10
Chromium (Cr)	12.25 - 13.25
Nickel (Ni)	7.5 - 8.5
Molybdenum (Mo)	2.00 - 2.50
Aluminium (Al)	0.90 - 1.35
Nitrogen (N)	0.00 - 0.01

Mechanical Properties

Condition	Tensile Strength (MPa)	0.2% Proof Stress (Mpa)	Elongation on 4D G.L (%)	Hardness (HRC)
H950	1515	1413	10	45
H1000	1413	1310	10	43
H1025	1276	1207	11	41
H1050	1207	1138	12	40
H1100	1034	931	14	34
H1150	931	621	14	30

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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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