

A286 STAINLESS STEEL SHEETS - AMS 5525

A286 is a precipitation hardenable alloy. High nickel and chromium content gives it a good resistance to corrosion up to about 1300 Deg C and Oxidation up to about 1500 Deg F. A286 (UNS S66286) can be age hardened to a high strength level. The alloy is also used for low temperature applications requiring a ductile, non-magnetic high strength material at temperatures ranging from above room temperature down to at least -320 Deg F, The alloy may be used for moderate corrosion applications in aqueous solutions.

	Specific Gravity														
	7.9 g/cm3														
Typical Applications								Related Specifications							
General Aerospace Engine Hardware									AMS 5525						
									AMS 5858 UNS S66286						
	Chemical Composition (Wt %)														
		С	Mn	Р	s	Si	Cr	Ni	Мо	Ti	V	Al	В	Fe	
	Min	_	_	_	_	_	13.5	24	1	1.9	0.10	-	0.003	_	
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Typical Mechanical Properties in Solution Treated Condition

16

27 | 1.5

2.35 | 0.50 |

0.035 | 0.010

Bal

0.025 | 0.025 | 1

0.08

Max

2.0

0.2% Proof Stress	Tensile Strength	Elongation
MPA	MPA	%
275	620	40

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* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different purpose and product dimensions.

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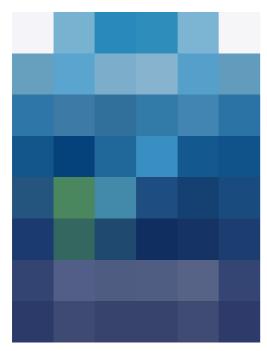
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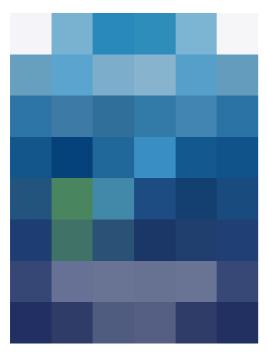
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