

MARAGING 350 - AMS 6515

Maraging 350 (also known as Vascomax® 350, AMS 6515) is an 18% nickel, cobalt strengthened steel. It is a very high strength material reaching a UTS of 2310 MPA after heat treatment. It is produced by Vacuum Induction Melting (VIM) followed by Vacuum Arc Remelting (VAR).

Specific Gravity												
8.0 g/cm ³												
Typical Applications						Related Specifications						
Landing gear systems Gears Fasteners Missile and Rocket motor cases Torsion springs Industrial Cutters						AMS 6515 UNS K93160 Mil-S-46850D						
Chemical Composition (Wt %)												
	C	Si	Mn	P	S	Al	Co	Ni	Mo	Ti	Cr	Cu
Min	–	–	–	–	–	0.05	11.5	18.00	4.6	1.30	–	–
Max	0.03	0.10	0.10	0.010	0.010	0.15	12.5	19.00	5.20	1.60	0.50	0.50
Typical Mechanical Properties after heat treatment												
0.2% Proof Stress						Tensile Strength	Elongation	Reduction of area	Hardness			
MPA						MPA	%	%	HRC			
2242						2310	6	25	53			

* 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 supply conditions such as heat treatment or temper and product dimensions.

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