

AEROSPACE MATERIAL SPECIFICATION



AMS 6436C

Issued	MAR 1955
Revised	MAY 1969
Noncurrent	APR 1988
Cancelled	JUN 2001
Superseding AMS 6436B	

Steel Sheet, Strip, and Plate, Low-Alloy, Heat Resistant
0.65Si - 1.25Cr - 0.50Mo - 0.85V (0.25 - 0.30C)
Annealed

(Composition similar to UNS K22770)

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1. ACKNOWLEDGMENT:

A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.

2. APPLICATION:

Primarily for parts requiring moderate tensile properties up to 1050 F (566 C) where welding may be required.

3. COMPOSITION:

	min	max
Carbon	0.20	0.25
Manganese	0.60	0.90
Silicon	0.55	0.75
Phosphorus	--	0.025
Sulfur	--	0.025
Chromium	1.00	1.50
Molybdenum	0.40	0.60
Vanadium	0.75	0.95
Nickel	--	0.25
Copper	--	0.35

3.1 Check Analysis:

Composition variations shall meet the requirements of the latest issue of AMS 2259, paragraph titled "Low Alloy Steels."

4. CONDITION:

Unless otherwise ordered, the product shall be supplied cold finished and clean annealed or hot rolled, annealed, and descaled having hardness not higher than Rockwell B 98 or equivalent.

5. TECHNICAL REQUIREMENTS:

When ASTM methods are specified for determining conformance to the following requirements, tests shall be conducted in accordance with the issue of the ASTM method listed in the latest issue of AMS 2350.