

### Specifications & Properties:

AMS 6457; UNS K13147, MIL-R-5632

When austenitized at 1550-1625 °F and oil or water quenched:

Approx. Tempering Temp (°F): 1250; Room Temp Tensile Strength (PSI): 100,000

Approx. Tempering Temp (°F): 1050; Room Temp Tensile Strength (PSI): 120,000-140,000

Approx. Tempering Temp (°F): 925; Room Temp Tensile Strength (PSI): 140,000-160,000

Approx. Tempering Temp (°F): 725; Room Temp Tensile Strength (PSI): 180,000-200,000

### Description:

**WT 4130VM is a vacuum melted low alloy steel welding wire and is used due to its lighter weight and it is used to improve weldability in highly stressed joints of low alloy steel structures. The weld deposit has extremely low trace element content including interstitial gases. 4130VM is welded in the annealed or over tempered condition, then the entire weldment is heat treated to the desired strength or hardness. Primarily used to inert-gas-arc weld base metals of similar composition requiring joints with strength, corrosion and heat resistance comparable to those of the base metal. Flag tagged on one end per AMS 2816, flag tagged two ends, vapor barrier packaging available.**

**Available in multiple sizes and diameters.**

### Typical Chemical Composition (Wt%)

C	Cr	Mo	Fe
0.28-0.33	0.95	0.20	BAL

Note: Single values are maximum unless otherwise noted.

**Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.**

**CAUTION:** Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126: OSHA Safety and Health Standards 29 CFR 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.