

Specifications:

AWS A5.18
ASME SFA 5.18
AWS ER70S-2
UNS K10726

Properties:

Tensile Strength: 70, 000 psi min.
Yield Strength: 58,000 psi min.
Elongation: 22% min.

Description:

WT 70S-2 has added deoxidants of aluminum, titanium and zirconium allowing for it to be used in welding steels that are rusty or dirty. It is often used in single-pass welding of rimmed steels, as well as killed and semi-killed, but can still be used for multipass applications. In the GTAW process WT 70S-2 produces high quality with increased toughness.

Available in multiple sizes and diameters in spool and wire and in different finishes/coatings.

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C	Al	Ti	V	Zr
0.4-0.7	0.9-1.4	0.5	0.15	0.035	0.15	0.15	0.025	0.07	0.05-0.15	0.05-0.15	0.03	0.02-0.12

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.