

Specifications:

AWS A5.28
ASME SFA 5.28
AWS ER80S-B3L
UNS K30560

Properties:

Tensile Strength: 80, 000 psi min.
Yield Strength: 68,000 psi min
Elongation: 17% min.

Description:

WT 80S-B3L is creep resistant mild steel and are often used in chemical industries. Preheat and interpass temperatures are usually kept between 375-425°F. It has a lower carbon content which allows for greater resistance to cracking and is often best suited for welds left in as-welded condition.

Available in multiple sizes and diameters.

Chemical Composition (Wt%):

Si	Mn	S	P	C	Cu	Cr	Mo	Ni	Other
0.40-0.70	0.40-0.70	0.025	0.025	0.05	0.35	2.3-2.7	0.9-1.2	0.2	0.5

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.