

Specifications:

AWS A5.4
AWS Class E2594-16
ASME SFA 5.4
UNS W39594

Properties:

Tensile Strength: 110,000 psi min.
Elongation: 15% min.

Description:

WT 2594-16 is a super duplex stainless steel electrode. It can be used to weld other super duplex stainless steels as well as welding low alloy steels to duplex stainless steels. Wt 2594-16 is typically used in welding piping systems, pumps, energy industries and flue gas desulfurization.

Available in multiple sizes and diameters in spool and wire rods.

Chemical Composition (Wt%):

Si	Mn	Cu	Mo	S	Ni	Cr	P	C	N
1.0	0.50-2.0	0.75	3.5-4.5	0.03	8.0-10.5	24.0-27	0.04	0.04	0.20-0.30

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.