

Specifications:

AWS A5.9
 AWS Class ER410
 ASME SFA 5.9
 UNS S41080

Properties:

Tensile Strength: 120,000 psi
Elongation: 22%

Description:

ER410 is a filler wire is used to join similar base metals and for welding overlay on carbon steels. This alloy contains higher amount of carbon that enables air-hardening, producing a martensitic microstructure. ER410 is good for welding overlays on carbon steels to produce a resistance to erosion, corrosion and abrasion.

Available in multiple sizes and diameters

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
0.5	0.60	0.75	0.75	0.03	0.60	11.5-13.5	0.03	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.