

Specifications:

AWS A5.9
 AWS Class ER330
 ASME SFA 5.9
 UNS N08331

Properties:

Tensile Strength: 84,000 psi
Yield Strength: 56,500 psi
Elongation: 29%

Description:

ER330 is made to weld wrought and cast material of metal composed of similar compositions. ER330 has a good heat and scale resistance at a maximum of 1800°F, although this metal's high temperature performance can be unfavorably affected in high sulfur environments. Also the heat input on this alloy should be kept to a minimum to decrease the likelihood of micro-fissures.

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

Chemical Composition (Wt%):

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
0.30-0.65	1.0-2.5	0.75	0.75	0.03	34.0-37.0	15.0-17.0	0.03	0.18-0.25

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.