

Specifications:

AWS A5.9
 AWS ER309LMo
 ASME SFA 5.9
 UNS S30986
 ISO 14343-A W 23 12 2 L

Properties:

Yield Strength: 65,250 psi
Tensile Strength: 84,100 psi
Elongation: 28%

Description:

ER309LMo contains an increase in Mo, compared to alloy ER309, which allows for an increase in its pitting corrosion resistance. Due to its low carbon content there is a decrease in the likelihood on intergranular carbide precipitation. This alloy is in overlay cladding as well as for austenitic ferritic joints with a maximum heat application of 572°F. ER309LMo can also be used to join low-alloy steels or stainless/ heat resistant chromium steels to austenitic steel grades.

Available in multiple sizes and diameters.

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
0.30-0.65	1.0-2.5	0.75	2.0-3.0	0.03	12.0-14.0	23.0-25.0	0.03	0.03

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.