E308L DATA SHEET

AWS Class E308/308L-16
AWS A5.4, ASME SFA 5.4
UNS W30810, W30813

DEPOSIT COMPOSITION

Cr	Ni	C	Cu	Mn	S	Si	P	Mo
18.0-21.0	9.0-11.0	0.04	0.75	0.5-2.5	0.03	1	0.04	0.75

With a maximum 0.04% carbon content, E308/308L-16 reduces possible intergranular carbide precipitation and dincreases the resistance to intergranular corrosion. Used for welding similar materials such as AISI grade 301, 302. 304, and 305. Ideal choice for structural welding, food, pharmaceutical, and brewery equipment applications.

Diameters

0.005”	0.007”	0.010”
0.015”	0.020”	0.025”
0.030”	0.035”	0.045”
3/32”	1/16”	1/8"
5/32”	3/16”	

Maximum Tensile Strength: 85000 psi
Percent Elongation in 2”: 42%

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 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210. SDS’ may be obtained at the website below.