ER308L DATA SHEET

AWS Class ER308/308L
AWS A5.9, ASME SFA 5.9
UNS S30880, S30883

DEPOSIT COMPOSITION

Cr	Ni	C	Cu	Mn	S	Si	P
19.5-22.0	**9.00-11.00**	**0.03**	**0.75**	**1.00-2.50**	**0.03**	**0.30-0.65**	**0.03**

The low carbon material reduces the possibility of intergranular carbide precipitation. This increases the resistance to intergranular corrosion without the use of stabilizers such as niobium or titanium. This wire is designed for welding and overlay of base metals similar in composition, such as 304L. 308L is well suited for applications in the chemical and petrochemical industries, distilleries, dairy, and restaurant equipment; and in applications where a good atmospheric corrosion resistance is needed.

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”**	

Forms

TiG **GTAW** 100% Ar	**MiG** **GMAW** 98% Ar ; 2% O_2 **OR** 90% He ; 7% Ar ; 3% CO_2	**Arc** **SAW** Flux

Maximum Tensile Strength: 82,000psi
Percent Elongation in 2”: 40%

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.