

Specifications:

AWS A5.9
 AWS ER2209
 ASME SFA 5.9
 UNS S39209

Properties:

Yield Strength: 108,000 psi
Tensile Strength: 93,000 psi
Elongation: 42%

Description:

WT Alloys ER2209 is utilized for joining 22% Cr/ 5% Ni duplex stainless steels. 2205 Duplex base material exhibits higher strength as compared with standard austenitic stainless steels, such as 316L. This material possesses good general corrosion resistance in a wide range of environments, but also has high resistance to pitting attack in chloride environments, such as sea water.

Available in multiple sizes and diameters including .035", .045", 1/16", 3/32", 1/8", 5/32" MIG, TIG, ARC & SAW

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C	N
0.90	0.5-2.0	0.75	2.5-3.5	0.03	7.5-9.5	21.5-23.5	0.03	0.03	0.08-0.20

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.