

T-2209

For duplex stainless steels (Low carbon, 22%Cr-9%Ni-Mo STS)

Classifications

| | | | |
|---------------------|----------------|-----------------|----------|
| EN ISO 14343-A:2009 | : W 22 9 3 N L | AWS A5.9-15 | : ER2209 |
| EN ISO 14343-B:2009 | : SS 2209 | JIS Z 3321:2013 | : YS2209 |

Description

- TIG welding of 22%Cr-9%Ni-3%Mo duplex stainless steels (UNS S31803, STS 329J1, 329J2L)
- A various application of the petrochemical offshore structure and distilling apparatuses.

Typical chemical composition of wire (%)

| C | Si | Mn | Ni | Cr | Mo |
|------|------|------|------|-------|------|
| 0.01 | 0.40 | 1.67 | 8.70 | 22.70 | 3.10 |

Typical mechanical properties of all-weld metal

| | Y.S (MPa) | T.S (MPa) | El. (%) | IV (J) -10°C | -50°C |
|--------------|--------------|--------------|------------|-----------------|-------|
| AWS A5.9 | | min. 690 | min. 20 | | |
| EN ISO 14343 | min. 450 | min. 550 | min. 20 | | |
| Example | 769 | 855 | 32 | 183 | 160 |