

DUPLEX STAINLESS STEEL 2205

UNS S31803, S32205

Characteristics.

- Fights habitual corrosion problems. Which means that provides higher resistance to corrosion for common stainless steels.
- Combines the favorable qualities of a ferritic alloy (high resistance to stress corrosion) with ones of an austenitic alloy (fabrication facility and resistance to corrosion).
- Consist of austenite pools surrounded by a continuous ferrite phase.
- Excellent chromium, molybdenum, and nitrogen combination.
- Used in marine environments, laundered proceeds, closed loop water systems, flue gas desulphurization equipment and some applications in food processes.

Shape or Presentation

- Sheet
- Plate
- Bar
- Tube
- Tubing
- Accessories
- Welding wire and electrode welding.

Chemical Composition %

Cr	Ni	Mo	C	N
22.0 - 23.0	4.50 - 8.50	3.00 - 3.50	0.030 max	0.14 - 0.20
Mn	Si	P	S	Fe
2.00 max	1.00 max	0.030 max	0.020 max	Balance