UNS S32760 Super Duplex Stainless Steel

1.Stainless Steel Plate

Type 304 | Type 304L | Type 304H | Type 316 | Type 316L | Type 316H | Type 321 | Type 347

Type 410 | UNS S32205 Duplex | UNS S32750 Super Duplex | UNS S32760 Super Duplex

2.UNS S32760 Super Duplex has even greater tensile and yield strength thanks to increased levels of molybdenum and chromium. Super Duplex stainless steel – with a microstructure of 50:50 austenite and ferrite, the steel has improved strength over ferrite and austenitic steel grades. With a higher than average Molybdenum and Chromium content, the material has greater heat and corrosion resistant qualities.

3.With reduced production costs when compared with equivalent austenitic and ferrite grades and with greater yield and tensile strength, Super Duplex is a cost effective solution for the consumer. It is conceivable that material thicknesses for a project may be reduced if Super Duplex is used, thus reducing cost without compromising quality.

4.Benefits of UNS S32760 Super Duplex Stainless Steel

Increased tensile & yield strength

Good ductility and toughness

SSC resistance

Corrosion resistance is better than Duplex

Cost effective

5.Applications

UNS S32760 is used in the oil and gas industry, on offshore platforms, in heat exchangers, chemical processing equipment, pressure vessels and boilers.

6.About UNS32760

For technical information about this steel grade please refer to the chemical composition and mechanic properties tables below. For information on Duplex alloy please click here.

7.Chemical Composition

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UNS No | C | Si | Mn | P | S | Cr | Mo | Ni | N | Other |
| S32760 | 0.030 | 1.00 | 1.00 | 0.030 | 0.010 | 24.0/26.0 | 3.0/4.0 | 6.00/8.00 | 0.20/0.30 | Cu:0.50/1.00 W:0.50/1.00 |