

2205 Duplex Stainless Steel

LIGHT BLUE

CUSTARD

CHARACTERISTICS

Tensile Strength (MPa)

620

Yield Strength (Mpa)

450

EQUIVALENTS

DIN

UNS

ASTM

X2CrNiMoN22 5 3

S31803

A240

CHEMICAL ANALYSIS (%)

C

Si

Mn

Cr

Ni

Mo

N

<0.03

1

2

22

5.5

3

0.02

NOTES

2205 provides pitting and crevice corrosion resistance superior to 316L austenitic stainless steel in almost all corrosion media. The yield strength of 2205 is about twice that of austenitic stainless steels.

DESCRIPTION

2205 is a Duplex stainless steel with high general, localised and stress corrosion resistance properties in addition to high strength and excellent impact toughness.

APPLICATIONS

2205 is particularly suitable for applications covering temperatures ranging from -45C to 320C. Common applications include: Pressure Vessels, tanks & heat exchangers, cargo tanks for trucks and shipping as well as food processing equipment.

WARNING: While all care has been taken to provide accurate information here, it should be noted that it is for a guide only and any information must be checked by the manufacturer before being relied upon.

EDCON STEEL

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