

Brand name | SAF 2507®

Trade name | Alloy 2507, Superduplex

Material No.	EN Designation	UNS	Alloy
1.4410	X2CrNiMoN25-7-4	S32750	2507

Description | 1.4410 / Alloy 2507 is a SUPER-DUPLEX stainless steel.

Special properties | Exceptional strength and corrosion resistance. Excellent resistance to chloride stress corrosion cracking, high thermal conductivity, and a low coefficient of thermal expansion.







C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.030	1.00	2.00	0.035	0.015
Cr %	Mo %	Ni %	N %	
24.0-26.0	3.00-4.50	6.00-8.00	0.24-0.35	

Hardness HB 30 ≤ HB	0.2% Yield strength R <sub>p</sub> ≥ N/mm <sup>2</sup>	Tensile strength R <sub>m</sub> N/mm <sup>2</sup>	Elongation A <sub>5</sub> ≥ %	Modulus of elasticity kN/mm <sup>2</sup>
230	280	580-800	40/30	200

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm <sup>2</sup> /m
7.81	500	14.2	0.8

Suitable welding filler materials | 1.4410

Application | Chemical industry, oil and gas industry, cellulose industry

Sheets/Plates	Bars	Tubes/Pipes	Fittings	Forged / cast parts	Finished part (drawing)
					

Available forms for 1.4410 / ALLOY 2507