

Brand name | 2RE69®

Standards	Material No.	EN Designation	AISI/SAE	UNS
	1.4466	X1CrNiMoN25-22-2	310 MoLN	S31050

Description | 1.4466 / AISI 310 MoLN is an austenitic chromium-nickel-molybdenum stainless steel.

Special properties | Very good corrosion resistance to carbamide synthesis. Good corrosion resistance to intergranular corrosion.

Chemical Composition	C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
	≤ 0.020	0.70	2.00	0.025	0.01
	Cr %	Mo %	Ni %	N %	
	24.0-26.0	2.00-2.50	21.0-23.0	0.10-0.16	

Mechanical Properties 20°C	Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Modulus of elasticity kN/mm ²
	240	250	540-740	35/30	195

Physical Properties 20°C	Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
	7.9	500	14	0.8

Suitable welding filler materials | 1.4455

Application | Production of carbamide

Available forms for 1.4466 / AISI 310 MoLN	Sheets/Plates	Bars	Tubes/Pipes	Fittings
				