

Brand name | Cronifer® 1925 hMo, AL- 6XN®, Incoloy® Alloy 25-6Mo

Trade name | Alloy 926

Material No.	EN Designation	UNS	Alloy
1.4529	X1NiCrMoCuN25-20-7	N08904	926

Description | 1.4529 / AL-6XN® is a super-austenitic stainless steel, similar to 1.4539 / AISI 904 L, but with higher molybdenum and nitrogen content.

Special properties | Extremely high resistance to pitting and crevice corrosion in halide media. Excellent general corrosion resistance in a wide range of media, both oxidizing and reducing. Improved mechanical properties over AISI 904 L.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.02	0.50	1.00	0.03	0.01
Cr %	Mo %	Ni %	N %	Cu %
19.0-21.0	6.00-7.00	24.0-26.0	0.15-0.25	0.50-1.50

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
250	300	650-850	40/35	195

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.1	450	12	1

Suitable welding filler materials | 2.4621; 2.4821

Application | Seawater engineering, cellulose industry

Available forms for 1.4529 / AL-6XN®

