

Standards

Material No.	EN Designation	AISI/SAE	UNS
1.4439	X2CrNiMoN17-13-5	317 LMN	S32726

Description

1.4439 / AISI 317 LMN is an austenitic-ferritic chromium-nickel-molybdenum stainless steel.

Special properties

Resistant to chlorine concentrations.

Chemical Composition

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.030	1.00	2.00	0.045	0.015
Cr %	Mo %	Ni %	N %	
16.5-18.5	4.00-5.00	12.5-14.5	0.12-0.22	

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
250	280	580-800	35/30	200

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
8	500	14	0.85

Suitable welding filler materials

1.4440

Application

Chemical and petrochemical industry, cellulose industry

Available forms for 1.4439 / AISI 317 LMN

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