

Brand name | Microfer 5716 MoW, Inconel® Alloy C-276

Trade name | Alloy C-276

Material No.	EN Designation	UNS	Alloy
2.4819	NiMo16Cr15W	N10276	C-276

Description | Alloy C-276 / 2.4819 is a nickel-chromium-molybdenum alloy containing tungsten and with extremely low carbon and silicon contents.

Special properties | Excellent resistance to a wide range of corrosive media, under oxidizing and reducing conditions. Outstanding resistance to localized corrosion such as pitting and crevice corrosion, as well as to chloride-ion stress corrosion.




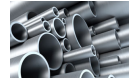

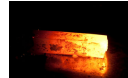

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.010	0.08	1.00	0.02	0.015
Cr %	Mo %	Ni %	V %	Cu %
14.5-16.5	15.0-17.0	Rest	≤ 0.35	≤ 0.50
Co %	Fe %	W %		
≤ 2.50	4.00-7.00	3.00-4.50		

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
310	≥ 750	30	208

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8.6	414	10.4	1.26

Suitable welding filler materials | 2.4887

Application | Chemical and petrochemical industry, cellulose industry

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

Available forms for 2.4819 / ALLOY C-276