

# ERNICRMO-4 Nickel Alloy 276 Tig Welding Wire

## DESCRIPTION

**TIGARC® ERNiCrMo-4 Nickel Alloy 276** is for welding materials of similar composition. This low carbon, nickel-chromium-molybdenum filler metal can also be used for dissimilar welding between nickel base alloys and stainless steels, as well as for surfacing and cladding. Due to high molybdenum content, this alloy offers excellent resistance to stress corrosion cracking and pitting and crevice corrosion.

SHIELDING GAS: 100% Argon

CLASSIFICATION: AWS/ASME Spec 5.14

AWS Class ERNiCrMo-4

UNS N10276

### Typical Wire Chemistry Composition (% as welded)

C (max)	Mn (max)	Si (max)	Cr	Mo	W	S (max)	P (max)	V (max)
0.02	1.0	0.08	14.5-16.5	15.0-17.0	3.0-4.5	0.30	0.04	0.35

Ni	Fe	Cu (max)	Co (max)	Other (max)
Bal	4.0-7.0	0.50	2.5	0.50

### Mechanical Properties (As Welded)

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (% Min)
730	540	39