

MIDALLOY ERNiCrMo-4 (FM276) BARE WIRE

CLASSIFICATION

- AWS 5.14 Class ERNiCrMo-4 / ASME SFA 5.14 Class ERNiCrMo-4

DESCRIPTION

- MIDALLOY ERNiCrMo-4 nickel alloy bare wire is used for GMAW, GTAW, and SAW welding.

APPLICATIONS

- MIDALLOY ERNiCrMo-4 nickel alloy bare wire is used for welding of steels with similar chemical composition, as well as dissimilar materials of nickel base alloys, steels and stainless steels.
- Because of its high molybdenum content it offers excellent resistance to stress corrosion cracking, pitting, and crevice corrosion, thus it is often used for cladding.

TYPICAL CHEMISTRY

C	Mn	Fe	P	S	Si	Cu	Ni	Al
.02	.510	5.45	.007	.003	.030	.050	57.44	.310
Ti	Cr	Cb+Ta	Mo	V	W	Co	Other	
.010	15.90	.04	16.25	.180	3.40	.36	<.50	

TYPICAL MECHANICAL PROPERTIES

TENSILE STRENGTH	105,000 PSI
YIELD STRENGTH	81,000 PSI
ELONGATION IN 2"	40%

RECOMMENDED WELDING PARAMETERS

(See attached)

STANDARD PACKAGING

- TIG 10 lb. tube / 60 lb. carton
- MIG 30 lb. spool
- SUB-ARC 60 lb coil

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