

MIGINOX 316 / TIGINOX 316

Classification
AWS A/SFA 5.9 : ER 316

Approvals :
TOYO ER 316

Characteristics

Low carbon 19 Cr/12 Ni /Mo stainless steel filler with controlled ferrite content of 4 to 8% for maximum resistance to cracking and corrosion. The weld metal has good creep strength up to temperature of 850°C.

Typical Applications

For welding of stainless steels represented by AISI types 316 and 317. Welding of tanks, coils used in the pulp, paper and textile industries.

Typical Wire Chemistry

C	Mn	Si	Cr	Ni	Mo	S	P
0.08 max	1.0-2.5	0.30-0.65	18.0-20.0	11-14	2-3.0	0.03 max	0.03 max

Properties of weld metal with 98% Ar + 2% O₂ gas shielding **Current Condition:DC (+)** in GMAW

Classifications:

All Weld Mechanical Properties - As welded condition

UTS MPa	520 min
Elongation % (L=4xd)	30 -34
The chemistry and mechanical properties of the weld metal will vary with the type of shielding gas used.	

Packing Specifications

Supplied in D 300 plastic spools - layer wound / Weight - 12.5 Kg

Packing Specifications for MIGINOX 316

Size mm	2.0	1.6	1.2	0.80
Kgs	12.5	12.5	12.5	12.5

Each plastic spool is sealed in a polyethylene bag and then packed in a corrugated box which is shrink-wrapped.

Packing Data for TIGINOX 316

Dia., mm	1.6	2.0	2.5
Length,mm	1000	1000	1000
Net wt per tube,kg	5	5	5
No of Plastic Tubes per Box	4	4	4
Net wt,Box,kg	20	20	20



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