

MIGINOX 430 / TIGINOX 430

Classification

AWSA/SFA 5.9 : ER 430

Characteristics

This filler is used for MIG welding of straight chrome stainless steels. It contains 16% Cr for adequate corrosion resistance. Welding with this filler usually requires pre-heating and post-weld heat treatment.

Typical Applications

For welding of stainless steels represented by AISI types 430 and steels of slightly lower or higher chromium content. Automobile body molding, oil burner parts, equipment in the chemical and food industries.

Typical Wire Chemistry

C	Mn	Si	Cr	Ni	S	P
0.10 max	0.60 max	0.5 max	15.5-17.0	0.6 max	0.03 max	0.03 max

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

All Weld Mechanical Properties As welded condition

UTS MPa	450
Elongation % (L=4xd)	20
The chemistry & mechanical properties of the weld 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 430

Size mm	2.0	1.6	1.2
Kgs	12.5	12.5	12.5

Each plastic spool is sealed in a polyethylene bag and then packed in a corrugated box which is shri

Packing Data for TIGINOX 430

Dia., mm	1.0	1.2	1.6	2.0	2.5
Length, mm	1000	1000	1000	1000	1000
Net wt per tube, kg	5	5	5	5	5
No of Plastic Tubes per Box	4	4	4	4	4
Net wt, Box, kg	20	20	20	20	20



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