

Welding Filler metals  
for nuclear industry



**Swiss  
Steel**  
Group



# Welding Filler metals for nuclear industry

With its two production plants, Bourg-en-Bresse (France) and San Vendemiano (Italy), Ugitech has the resources and technical expertise of a large group that is a leading supplier of stainless steels and alloys for the welding market.

Ugitech has many years of experience in providing support to customers operating in the nuclear industry and is recognized for meeting the requirements of the RCCM code.

Ugitech relies on its quality management to offer a range of filler metals for professionals in the nuclear industry.

Ugitech's organization guarantees total control of the process from the development of the steel to the final drawing as well as the packaging.

## Innovation at the heart of your products

Ugitech has a long tradition of R&D and has a research center dedicated to welding. Our experts contribute to the control of the development of our products, processes and services.

## Our offer

### Chemical analysis

	C	Si	Mn	P	S	Ni	Cr	Mo	Co	Cu	Ti	Fe	Ta+Nb	Ferrite δ*
UGIWELD™ 308L Q	≤ 0.030	≤ 0.60	1.00 / 2.50	≤ 0.025	≤ 0.020	9.00 / 11.00	19.00 / 21.50	≤ 0.50	≤ 0.060					5 / 15
UGIWELD™ 316L Q	≤ 0.030	≤ 0.60	1.00 / 2.50	≤ 0.025	≤ 0.020	12.00 / 14.00	18.00 / 20.00	2.00 / 3.00	≤ 0.060					5 / 15
UGIWELD™ 309L Q	≤ 0.025	≤ 0.60	1.00 / 2.50	≤ 0.020	≤ 0.020	11.00 / 14.00	23.00 / 25.00	≤ 0.50	≤ 0.060					8 / 18
UGIALLOY® 82L Q	≤ 0.100	≤ 0.50	2.50 / 3.50	≤ 0.020	≤ 0.015	67.00 min	18.00 / 22.00		≤ 0.060	≤ 0.50	≤ 0.75	≤ 3.00	2.00 / 3.00	

\*: On deposited metal

### Mechanical characteristics\*

	Tensile Test at room temperature (T°)				Tensile test at 350°C		Kv T° at room temperature	
	UTS	YS mini	A mini	Z	UTS mini	Mini	Kv Average	Kv mini
	MPa	MPa	%		MPa	MPa	J	J
UGIWELD™ 308L Q	520 / 800	210	30			400	≥ 60	≥ 42
UGIWELD™ 316L Q	520 / 800	210	30			400	≥ 60	≥ 42
UGIALLOY® 82L Q	550 / 800	240	30			400	≥ 60	≥ 42

\*: On deposited metal

For other requests or shades, please contact us.

## Our packagings

### MIG welding wire spools

Metallic or plastic spools in individual cardboard boxes

### TIG welding wire spools

Metallic or plastic spools in individual cardboard boxes

### Wire for TIG welding

Packaged in 5 kg cardboard tubes

All of our packaging is Ugitech's own design but on request, they can be personalized or neutral.

	Bourg-en-Bresse (France)	San Vendemiano (Ugitech TFA) (Italy)
MIG welding wire spools	■	■
TIG welding wire spools	■	
Wire for TIG welding		■



The information and data presented here in are typical or average values and are not a guarantee of maximum or minimum values. Only the information reported on our material certificates is to be considered as relevant.  
Applications specifically suggested for material described here in are made for the purpose of illustration only to enable the reader to make its own evaluation and are not intended as warranties, either express or implied, of fitness for any purposes.

## Swiss Steel Group

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