

INSPECTION CERTIFICATE (3.1) Analisi chimica / Chemical analysis
TEST REPORT (2.2) Caratteristiche Meccaniche / Mechanical properties

Cert n°: 1159984 PO. n°: 9494 / 2019-06-10 COLATA / BATCH n°: 715130 DATA / DATE : 30/08/2019

NOME DEL PRODOTTO / PRODUCT NAME: NOVOFIL SG2
STANDARD CLASSIFICATION: AWS A5.18: ER70S-6 | EN ISO 14341-A: G 3Si1 | G 38 2 C1 3Si1 | G 42 4 M21 3Si1
 CSA W48 | B-G 49A 3 C1 S6 | B-G 49A 3 M21 S6

DETTAGLI PRODOTTI / PRODUCT DETAILS:
 DIAM.0.80 mm P.L.W. D-300 (Kg.11.520) - DIAM.1.00 mm P.L.W. S-300 (Kg.11.088)

CHEMICAL COMPOSITION | COMPOSIZIONE CHIMICA

Acc. to EN 10204 - 3.1

C	Mn	S	P	Si	Cu	Al	Mo	Ni	Cr	Ti	N	V	As
0.069	1.431	0.017	0.006	0.850	0.042	0.001	0.010	0.029	0.028	0.003	0.0059	0.002	0.0018

MECHANICAL PROPERTIES OF ALL WELD METAL | CARATTERISTICHE MECCANICHE

(Shielding gas 80% Argon + 20% CO₂, and 100% CO₂) | Typical data / acc. to EN 10204 - 2.2

	M21		C1	
	Value / Valore	STAND	Value / Valore	STAND
Yield strength Re / Snervamento	470 MPa	> 420 Mpa	440 Mpa	> 400 Mpa
Tensile strength Rm / Carico di Rottura	560 MPa	> 500 Mpa	530 MPa	> 480 Mpa
Elongation A5d / Allungamento	26%	> 22%	26%	> 22%
Impact test Kv (-40°C) / Resilienza	90 J	> 47 J	-	> 47 J
Impact test Kv (-30°C) / Resilienza	60 J	> 47 J	-	> 47 J
Impact test Kv (-20°C) / Resilienza	70 J	> 47 J	70 J	> 47 J
Impact test Kv (+20°C) / Resilienza	70 J	> 47 J	-	> 47 J



COMMENT:

We hereby confirm that the material herein described has been manufactured, sampled, tested and inspected in accordance with referred standards. Product supplied under a QA Programme fulfilling the EN ISO 9001 standard. This certificate is produced electronically and is valid without signature.