



CUSTOMER / CLIENTE
SVETSEKONOMI SISAB SKOVDE
RATTVAGEN 9
54124 SKOVDE SVEZIA

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

Cert n°: 25008198 PO. n°: 130622S COLATA / BATCH n°: 2087720 DATA / DATE: 22/06/2022

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.8.640) - DIAM.1.00 mm P.L.W. S-300 (Kg.10.080)

CHEMICAL COMPOSITION | COMPOSIZIONE CHIMICA

Acc. to EN 10204 - 3.1

C	Si	Mn	P	S	N	Cu	Cr	Mo	Ti	Ni	Al
0.074	0.842	1.438	0.010	0.007	0.0057	0.004	0.016	0.001	0.000	0.013	0.001

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.

POR/BY/DE
DPT. QUALITY

0035-CPR-C606
Mod. P4 - 15
Rev. 1 del 2019

NOVOFIL S.p.A.

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Capitale Sociale Euro 1.222.400 i.v. | U.N. Imp. Res. Impres. C.E. - Part. IVA IT.01666380645 | I.C. C.I.A.A. Annullato N. REA AV. 07128