



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°: 25008284 PO. n°: 12991 COLATA / BATCH n°: 2083593 DATA / DATE : 10/12/2021

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.1.00 mm P.L.W. S-300 (Kg.10.080) - DIAM.1.20 mm P.L.W. S-300 (Kg.2.016)

CHEMICAL COMPOSITION | COMPOSIZIONE CHIMICA

Acc. to EN 10204 - 3.1

| C | Mn | S | P | Si | Cu | Al | Mo | Ni | Cr | N |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0.070 | 1.445 | 0.010 | 0.010 | 0.850 | 0.003 | 0.002 | 0.001 | 0.010 | 0.013 | 0.0075 |

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. | N. iscr. Reg. Imprese CE e Dist. IVA IT 01666380645 | I.C. C.I.A.A. Avellino N. BEA AV. 07128