



**CUSTOMER / CLIENTE**  
KILKENNY WELDING SUPPLIES  
CUFFESGRANGE Co KILKENNY  
KILKENNY IRLANDA

**DELIVERY:** PORTLAOISE, CO.LAOIS IRLANDA

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

Cert n°: 1003722208 PO. n°: PL009019 / 17/06/2025 COLATA/BATCH n°: 510917 DATA/DATE: 25/06/2025

**NOME DEL PRODOTTO / PRODUCT NAME:** NOVOFIL SG3 / NOVOBRONZE SG3  
**STANDARD CLASSIFICATION:** SFA/AWS A5.18: ER70S-6 | ISO 14341-A : G 42 3 C G4Si1 / G 46 4M21 4Si1  
**DETTAGLI PRODOTTI / PRODUCT DETAILS:**  
DIAM.1.40 mm DRUM BRONZE 250 KG. (Kg.3.000) - DIAM.1.00 mm DRUM BRONZE 250 KG. (Kg.1.000)  
DIAM.1.20 mm DRUM BRONZE 250 KG. (Kg.2.000)

**CHEMICAL COMPOSITION | COMPOSIZIONE CHIMICA**

Acc. to EN 10204 - 3.1

| C     | Mn    | S     | P     | Si    | Cu    | Al    | Mo    | Ni    | Cr    | Ti    | V     | N      | As     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0.070 | 1.637 | 0.017 | 0.008 | 0.972 | 0.031 | 0.003 | 0.008 | 0.023 | 0.031 | 0.003 | 0.003 | 0.0035 | 0.0037 |

**MECHANICAL PROPERTIES OF ALL WELD METAL | CARATTERISTICHE MECCANICHE**

(Shielding gas 80% Argon + 20% CO<sub>2</sub>, and 100% CO<sub>2</sub>) | Typical data / acc. to EN 10204 - 2.2

|   | M21            | C1             |
|---|----------------|----------------|
|   | value / Valore | value / Valore |
| Yield strength Re / Snervamento         | 510 MPa        | 450 Mpa        |
| Tensile strength Rm / Carico di Rottura | 580 MPa        | 550 MPa        |
| Elongation A5d / Allungamento           | 26%            | 26%            |
| Impact test Kv (-40°C) / Resilienza     | 70 J           | -              |
| Impact test Kv (-30°C) / Resilienza     | 80 J           | -              |
| Impact test Kv (-20°C) / Resilienza     | 100 J          | 60 J           |
| Impact test Kv (+20°C) / Resilienza     | 140 J          | 100 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

UE n.1214/2023: The production factor used for our products do not have Russian origin.

**NOVOFIL S.p.A.**

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Capitale Sociale Euro 1.232.400 i.v. | N. iscr. Reg. Imprese, C.F. e Part. IVA IT 01666380645 | C.C.I.A.A. Avellino N. REA AV - 97138