



**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°: 20638 PO. n°: PL009019 / 17/06/2025 COLATA/BATCH n°: 2111875 DATA/DATE: 25/06/2025

**NOME DEL PRODOTTO / PRODUCT NAME:** NOVOFIL SG2 / NOVONBRONZE 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 DRUM BRONZE 250 KG. (Kg.1.000) - DIAM.1.20 mm P.L.W. BRONZE S-300 (Kg.7.560 + Kg.375)  
DIAM.1.00 mm P.L.W. S-300 (Kg.4.320) - DIAM.1.00 mm P.L.W. BRONZE S-300 (Kg.4.320)

**CHEMICAL COMPOSITION | COMPOSIZIONE CHIMICA**

Acc. to EN 10204 - 3.1

C	Si	Mn	P	S	Cu	Cr	Mo	Ni	Al	N	V
0.077	0.800	1.400	0.011	0.007	0.004	0.033	0.001	0.004	0.002	0.0059	0.005

**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	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

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

**NOVOFIL S.p.A.**

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