



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°: 1003725937 PO. n°: PL008816 / 23/04/2025 COLATA/BATCH n°: 510717 DATA/DATE: 12/05/2025

NOME DEL PRODOTTO / PRODUCT NAME: NOVOFIL SG2 / NOVOBRONZE 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. BRONZE S-300 (Kg.12.960) - DIAM.1.20 mm P.L.W. BRONZE S-300 (Kg.5.400)
DIAM.1.00 mm P.L.W. S-300 (Kg.5.400)

CHEMICAL COMPOSITION | COMPOSIZIONE CHIMICA

Acc. to EN 10204 - 3.1

C	Si	Mn	P	S	Cu	Cr	Mo	Ni	Al	N	V	Ti
0.070	0.848	1.460	0.010	0.015	0.030	0.030	0.011	0.011	0.003	0.0037	0.003	0.0091

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

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

NOVOFIL S.p.A.

S.S. 7 bis Km. 306,900 - 83030 Manocalzati (AV) Italia | Tlf. +39 0825 675451-52 | Fax +39 0825 675164 | www.novofil.it | info@novofil.it
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