

QUALITY CERTIFICATE

№ **2505-253** Issued Date: **26.05.2025**

Manufacturer: PlasmaTec LLC

18 Pravednykiv svitu str., Vinnytsia, Vinnytsia region, Vinnytsia district, Ukraine, 21036

Product
Welding electrodes Monolith 6010 TM MONOLITH d 3.2 mm (1/8"): pack 2.5 kg (5.5 LB)

Specification/Classification	AWS A5.1 / SFA-5.1: E 6010 CSA W48: E4310 EN ISO 2560-A-E 42 3 C 21
Batch classification according to EN ISO 14344	C5
Lot Number	002

Mechanical properties of weld metal EN 10204, type 2.2

Index	Requirements (AWS A5.1)	Typical data
Tensile strength, (MPa/ksi)	min. 430 (60)	597 (87)
Elongation, %	min. 22	29
Yield strength, (MPa/ksi)	min. 330 (48)	478 (69)
Impact energy (KV), (J/ft-lb) -30°C/-22°F	min. 27 (20)	86 (63)

Chemical analysis of weld metal, % EN 10204, type 3.1

Index	Requirements (AWS A5.1)	Actual data
C	max. 0.2	0.13
Si	max. 1.0	0.24
Mn	max. 1.2	0.82
Ni	max. 0.3	0.02
Cr	max. 0.2	0.04
Mo	max. 0.3	0.003
V	max. 0.08	0.003
P	N.S.	0.012
S	N.S.	0.005

Post weld heat treatment - As welded

The product was manufactured and supplied according to a Quality System Program that meets the requirements of ISO 9001. The delivery conditions are in accordance with EN ISO 544.

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Lot Number identification: **001 3.2 XO** (example of Lot number), where **001** – actual Lot Number, **3.2 XO** - additional information (3.2 - electrode size in mm; X – pressing team, O - packing team)