

# INSPECTION CERTIFICATE

**KOBELCO WELDING OF EUROPE B.V.**

FLUX CORED WIRE

PURCHASER \_\_\_\_\_

CERTIFICATE NO: KC22-165

DATE OF ISSUE: 18/05/2022

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION
MX-100T	1.2	NB2521	AWS A5.18 E70C-6M/-6C EN ISO 17632-A - T 42 2 M M/C 1 H5

1. CHEMICAL COMPOSITIONS OF ALL WELD METAL(wt%) (ACCORDING TO EN 10204 TYPE 3.1)

ELEMENT	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	91
WELD METAL	0.07	0.54	1.58	0.011	0.017	0.02	0.02	0.03	0.01	0.00	< 0.01	0.06

ELEMENT												
WELD METAL												

91=Ni+Cr+Mo+V

2. MECHANICAL PROPERTY OF ALL WELD METAL (ACCORDING TO EN ISO)

2.a TENSILE TEST (ACCORDING TO EN 10204 TYPE 3.1)

YIELD STRENGTH at 0.2% OFFSET (MPa)	TENSILE STRENGTH (MPa)	ELONGATION GL=5D(%)
452	567	28

2.b CHARPY IMPACT (ACCORDING TO EN 10204 TYPE 3.1)

TESTING TEMPERATURE (°C)	ABSORBED ENERGY(J)			
	EACH	AVERAGE		
-20	86	77	75	79
-30	54	69	67	63

3. WELDING CONDITIONS FOR THE TESTING

TYPE OF CURRENT	DC+	SHIELDING GAS	100%CO2
WELDING CURRENT	260 (A)	ARC VOLTAGE	33.0 (V)

4. REMARKS

WE HEREBY CERTIFY THAT THE TEST RESULTS OF THE ABOVE WELDING MATERIAL ARE CORRECT



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QA Manager