

INSPECTION CERTIFICATE

KOBELCO WELDING OF EUROPE B.V.

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC22-057

DATE OF ISSUE: 22/02/2022

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION
MX-100T	1.2	NB2221	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	0.53	1.57	0.011	0.013	0.03	0.01	0.02	0.01	0.00	< 0.01	0.04

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(%)
430	550	31

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

TESTING TEMPERATURE (°C)	ABSORBED ENERGY(J)			
	EACH	AVERAGE		
-20	99	78	102	93
-30	59	57	61	59

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