



# MANUFACTURER'S INSPECTION DOCUMENT

A02 Type of certificate according to ISO 10474/ EN 10204

A03 Document number

Page

**Inspection certificate 3.1****MTC\_0081809154\_2310\_AMSTRONG355MC\_AFCS\_V1****1 / 3**

A01.1 Manufacturer's site address <b>ArcelorMittal Mardycy Grande-Synthe Rue de Spycker - Port 3801 59792 Grande-Synthe France</b>	A01.2 Manufacturer <b>ArcelorMittal France</b> A01.3 @ eMail Sara.mateos@arcelormittal.com	A04 Mfr's mark <b>MK</b>	A06.3 Final consignee's address <b>FEON OY Teollisuuskatu 33 00510 Helsinki FI</b>
A06.1 Customer's address <b>FEON OY Teollisuuskatu 33 00510 Helsinki FI</b>	A06.2 Delivery address <b>Feon OY Hepokarintie 9 23500 UUSIKAUPUNKI FI</b>		

A07 Purchaser's order number <b>46171 000001</b>	A08 Manufacturer's order number <b>GH32FEO005 1</b>	A10.1 Dispatch advice/note number <b>0081809154</b>	A10.2 Dispatch date <b>15.10.2023</b>	B04 Delivery condition <b>Thermomechanical Rolling</b>
A11 Manufacturer specification reference <b>000002890824 1</b>	A12 Customer article number <b>2463400</b>	A14 Qty MU <b>1</b>	A15 Total net mass <b>11,260 Tons</b>	A16 Total gross mass <b>11,281 Tons</b>

B01 Product (Category/ Subcategory/ Form) <b>Hot Rolled Hot rolled pickled coil</b>		B02.1 Steel designation <b>AMSTRONG355MC</b>	B02.2 Steel standard <b>AFCS</b>
B09 Thickness <b>12mm</b>	B9.1 Thickness standard and tolerance <b>1/2 all in minus EN 10051:2010</b>	B10 Width <b>1500mm</b>	B10.1 Width standard and tolerance <b>mill edge EN 10051:2010</b>
B11 Length	B11.1 Length standard and tolerance	B2.12 Pattern top	B2.13 Pattern bottom

## IDENTIFICATION AND MASS

Units							
B07 MU ID		29676141					
B08 Number of piece		1					
B13 Gross mass	Tons	11,281					
B14 Net mass	Tons	11,260					
B15 Segment N°		1					
B07 Heat N°		A033001729					

## TENSILE TEST

Units	Min.	Max.	Specimen type: ISO 6892-1 - Direction: Longitudinal - Condition: As delivered - Re: ReH - T°C: 20°C				
C01.1 Pos. length			Half Length				
C01.2 Pos. width			1/4 width				
C11 Re	MPa	355	435	393			
C12 Rm	MPa	430	520	475			
C13 A%	%	25		34			

## TENSILE TEST

Units	Min.	Max.	Specimen type: ISO 6892-1 - Direction: Transverse - Condition: As delivered - Re: ReH - T°C: 20°C				
C01.1 Pos. length			Half Length				
C01.2 Pos. width			1/4 width				
C11 Re	MPa	380	460	401			
C12 Rm	MPa	440	530	478			
C13 A%	%	24		32			

We hereby certify that the above cited shipment was produced according to the technical specifications of the contract and that, with inspection and tests completed, it meets those specifications as well as all norms and standards referred to in the contract.

A05 Autor of the document - Manufacturer

**Quality department**

Z15 Responsible

**Mateos Riano Sara**

Z17 Signature

Z16 Function

**Quality Manager**

Z02 Date

**17.10.2023**



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B07 MU ID	29676141						
B15 Segment N°	1						
B07 Heat N°	A033001729						

## NOTCH BAR-IMPACT TEST

Units    Min.    Max.    Notch Shape: KV - Probe size: Standard ISO 148-1 - Direction: Longitudinal - Condition: As delivered - T°C: -20°C

	Units	Min.	Max.						
C01.1 Pos. length				Half Length					
C01.2 Pos. width				1/4 width					
C42.1 V1	J	28		282					
C42.2 V2	J	28		306					
C42.3 V3	J	28		276					
C43 Avg.	J	40		288					

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B07 MU ID	29676141
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## CHEMICAL COMPOSITION

	Units	Min.	Max.	Casting composition
C71 C	%	0,100	0,072	
C72 Mn	%	1,40	1,15	
C73 Si	%	0,03	0,01	
C74 P	%	0,020	0,009	
C75 S	%	0,015	0,002	
C76 Cr*	%		0,0240	
C77 Mo*	%		0,0020	
C78 Ni*	%		0,0190	
C79 N*	%		0,0041	
C80 Al	%	0,015	0,036	
C82 B*	%		0,0002	
C84 Cu*	%		0,0180	
C85 Nb	%	0,065	0,025	
C88 Ti	%	0,150	0,010	
C89 V	%	0,200	0,001	
<b>C+MN/6+(CU+NI)/15+(CR+MO+V)/5</b>				
Value	%	0,32	0,27	
<b>SI+2,5P</b>				
Value	%	0,090	0,031	
<b>NB+TI+V</b>				
Value	%	0,22	0,04	

**Inspection of markings, surface, sizes : satisfactory**

(\*) - For information, not requested in the specification

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	<b>Quality department</b>	
	Z15 Responsible <b>Mateos Riano Sara</b>	Z17 Signature
	Z16 Function <b>Quality Manager</b>	
Z02 Date <b>17.10.2023</b>		