



ArcelorMittal Bremen GmbH  
Postfach 210220  
28222 BREMEN  
Carl-Benz-Strasse 30  
28237 BREMEN  
Telefon 0421/6480  
Telefax 0421/6482251

A02  
CERTIFICATE  
A03 Page: 01 / 04  
**20200004798-00**  
Inspection certificate 3.1 EN 10204  
A05 ORIGINATOR OF THE DOCUMENT  
ArcelorMittal Bremen GmbH  
Abnahme/Zeugnisschreibung  
zeugnisse.bremen@arcelormittal.com  
Telefon 0421/6482813

A09 DISPATCH NOTE  
DATE  
0000940564  
22.01.2020  
A08.1 MANUFACTURER'S ORDER NR  
DATE  
AGENCY'S ORDER NR.  
1954494  
07.10.2019  
FH94KON008003  
A07 CUSTOMER'S ORDER NUMBER  
1113312  
A10 PART NUMBER  
XR355158

A06.1 CUSTOMER  
OY KONTINO AB  
HAKINTIE, 6  
01380 VANTAA  
Finland  
A06.2 CONSIGNEE  
OY KONTINO AB  
HAKINTIE, 6  
01380 VANTAA  
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: **AMSTRONG@355MC**  
**S355MC**

STANDARD: **AM FCE**  
**EN 10149-2 (00-09-2013)**

TERMS OF DELIVERY: **EN 10051 (2010)**

JITZ 1.78

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY KONTINO AB

HAKINTIE, 6

01380 VANTAA

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PRODUCT: hot rolled unpickled sheet      QUALITY: **AMSTRONG@355MC**      STANDARD: **AM FCE**  
 TERMS OF DELIVERY: **EN 10051 (2010)**      **S355MC**      **EN 10149-2 (00-09-2013)**

JITZ 1.78

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
3	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																		
						C71	C73	C72	C74	C75	C81	C77	C76	C83	C84	C78	C82	C79	C80	C85	As	Sn		
						C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
3	646043	00100	2140	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700805	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00200	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700806	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00300	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700807	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00400	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700808	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00500	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700809	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00600	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700810	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00700	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700811	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00800	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700812	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	00900	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700813	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	01000	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700814	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	01100	2145	4	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700815	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	646043	01200	1610	3	020651	.0750	.0210	.9670	.0117	.0030	.0089	.0372	.0044	.0001	.0001	.0018	.0536	.0215	.0249	.0024	.0009	.0011		
						4700818	020651	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
			12				25200																	

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
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 A10 PART NUMBER  
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**Finnland**  
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 TERMS OF DELIVERY: **EN 10051 (2010)**    **S355MC**    **EN 10149-2 (00-09-2013)**

JITZ 1.78

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
3	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS															
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	C81 Cu %	C77 Al %	C76 N %	C83 B %	C84 V %	C78 Ti %	C82 Nb %	C79 Cr %	C80 Ni %	C85 Mo %	As %
TOTAL	12		25200																		

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BEND TEST		SHOCK TEST					
						C02 PR °	C04 MAZ	C03 Temp °C	C11 yield Re MPa	C12 p. strength Rm MPa	C13 Al20mm %	C50 Fa	C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
3	646043	00100	2140	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700805	90	F	20	451	528	25.5							
	646043	00200	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700806	90	F	20	451	528	25.5							
	646043	00300	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700807	90	F	20	451	528	25.5							
	646043	00400	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700808	90	F	20	451	528	25.5							
	646043	00500	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700809	90	F	20	451	528	25.5							
	646043	00600	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700810	90	F	20	451	528	25.5							
	646043	00700	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700811	90	F	20	451	528	25.5							
	646043	00800	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700812	90	F	20	451	528	25.5							
	646043	00900	2145	4	020651	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
						4700813	90	F	20	451	528	25.5							

C02 test direction relating to rolling direction (0°= L; 90°= T)    C04 specimen condition V:aged F:fresh N:normalised    C50 bend test 1:good    C43 result in J related to specimensize (C44)



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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
3	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BEND TEST	SHOCK TEST						
						C02	C04	C03	C11 yield p.	C12 strength	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	Temp °C	Re MPa	Rm MPa	A120mm %	Fa	S0 cm <sup>2</sup>	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
3	<b>646043</b>	01000	2145	4	<b>020651</b>	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
	4700814				<b>020651</b>	90	F	20	451	528	25.5								
	<b>646043</b>	01100	2145	4	<b>020651</b>	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
	4700815				<b>020651</b>	90	F	20	451	528	25.5								
	<b>646043</b>	01200	1610	3	<b>020651</b>	0	F	20	412	515	28.5	1	.8	0	-20	273	276	252	267
	4700818				<b>020651</b>	90	F	20	451	528	25.5								
		12																	
TOTAL		12																	

We certify hereby that the delivery complies with the above mentioned specification.

BREMEN 22.01.2020



QUALITY DEPARTMENT  
 SITE EXPERT FOR INSPECTION

Kramer

*Jarkko Kramer*

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
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