



A01 en A05 ARCELORMITTAL ATLANTIQUE RUE DU COMTE JEAN-GRANDE SYNTHÉ . . 59381 DUNKERQUE CEDEX 1		A03 Number 94751 Datum 05/08/2014		A08 O/Ord N° 171935 Datum 13/05/2014		A07 Y/Ord N° TL-738/14 Datum 13/05/2014		Contract Nr.	
ARCELORMITTAL ESP HRSH Twee Molensstraat 8 2440 GEEL 014241510 014285274		LEPPINEN STEEL TERASTIE 61400 YLISTARO		LEPPINEN STEEL TERASTIE 61400 YLISTARO		LEPPINEN STEEL TERASTIE 61400 YLISTARO			
A06.1 Customer LEPPINEN STEEL TERASTIE 61400 YLISTARO		A06.2 Destination							
A02 3.1 / EN10204 + KV									
B01 - B04 SPECIFICATION - Item 1 TOL DKP-AMSTRONG355MC-O 1T GEOLIED ARCELORMITTAL DKP-AMSTRONG355MC-O									

B09 Number Item	1	B11 Length mm	3000.000	B12 Width mm	1500.000	B13 Thick. mm	10.000
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Package	1746245
B07 COIL No	Coilnr. 7148599 Mill Coil No 27295700
	B08 Heat No 8644041808
	Number of pieces : 7 Totale weight (kg) : 2564
	Groupage : 20140805043

CHEMICAL ANALYSIS													HARDNESS TEST				
	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C89	C30
B07	C	Mn	%	P	S	N	Al	Nb	Ti	V	B	Cr	Cu	Ni	Mo	Cev	H
Mill Coil No	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	C32
27295700	8644041808	0.062	0.613	0.009	0.011	0.008	0.0037	0.047	0.0384	0.0009	0.0005	0.023	0.027	0.016	0.001	0.173	

TENSILE TEST										BEND TEST					NOTCH TOUGHNESS				
	C04	C03	C02	C11	C12	C13	C14	C15	C50	C02	C03	C42	C42	C42	C42	C42	C43		
Mill Coil No	Condition	Test temp	Direction	Yield strength	Tensile strength	Elongat	Hardening	Anisotropy		Direction	Test temp	KC1	KC2	KC3	KC3	Mean value			
27295700	F	+20	L	400	467	34.0	A%	Mpa	450										

STAMPING

We certify hereby that the above mentioned products are consistent with the order prescriptions.  
Quality control ESP  
M. Van Loon

C02 Direction of the test piece in relation to the rolling direction (L = 0° - T = 90° - S = 45°) C04 Condition (V = Aged - F = Fresh - N = Normalized) C50 Bend test 1 = O.K.  
Controls carried out: Visual : O.K. Measurement control : O.K. Stamping : O.K.

A01 en A05 ARCELORMITTAL ATLANTIQUE RUE DU COMTE JEAN-GRANDE SYNTHÈ... 59381 DUNKERQUE CEDEX 1		A03 Number 94758 Datum 05/08/2014		A08 O/Ord N°. 171935 Datum 13/05/2014		A07 Y/Ord N°. TL-738/14 Datum 13/05/2014		Contract Nr.	
ARCELORMITTAL ESP HRSH Twee Molensstraat 8 2440 GHEL 014241510 014285274		LEPPINEN STEEL TERASTIE 61400 YLISTARO		LEPPINEN STEEL TERASTIE 61400 YLISTARO		LEPPINEN STEEL TERASTIE 61400 YLISTARO			
A06.1 Customer 61400 YLISTARO		A06.1 LEPPINEN STEEL TERASTIE 61400 YLISTARO		A06.2 Destination 61400 YLISTARO					
A02 3.1 / EN10204 + KV									
B01 - B04 SPECIFICATION MATERIAL - Item 1 TOL DKP-AMSTRONG355MC-O LT GEOLIED ARCELORMITTAL DKP-AMSTRONG355MC-O									

B09 Number Item	B11 Length mm	B12 Width mm	B13 Thick. mm
1	3000.000	1500.000	10.000

Package	1746244, 1746246, 1746247, 1746248, 1746249, 1746253, 1746248, 1746251, 1746250, 1746252
B07 COIL No	7148599 Mill Coil No 27295700
B08 Heat No	8644041808
B09 Number of pieces	68
B10 Totale weight (kg)	24908
Groupage : 20140805046	

CHEMICAL ANALYSIS														HARDNESS TEST			
	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C89	C30
B07 B07.1	C	Mn	Si	P	S	N	Al	Nb	Ti	V	B	Cr	Cu	Ni	Mo	Cev	H
Heat No	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	C32
27295700	8644041808	0.062	0.615	0.009	0.011	0.008	0.047	0.0384	0.0009	0.0005	0.023	0.027	0.016	0.001	0.173		

TENSILE TEST										BEND TEST					NOTCH TOUGHNESS				
	C04	C03	C02	C11 yield stre	C12 tensile str	C13 Ellongat	C14 Hardening	C15 Anisotropy	C50	C02	C03	C42	C42	C42	C43	C43	C43		
B07 Mill coil No	Condition	Test temp	Direction	Rp0.2	Rm	A5.65	n90	n90	r90	Direction	Test temp	KC1	KC2	KC3	Mean value				
27295700	F	+20	L	400	467	34.0				L	-20	134	55	49	79.3				

STAMPING

We certify hereby that the above mentioned products are consistent with the order prescriptions.  
Quality control ESP  
M. Van Loon

C02 Direction of the test piece in relation to the rolling direction (L = 0° - T = 90° - S = 45°)		C04 Condition (V = Aged - F = Fresh - N = Normalized)		C50 Bend test 1 = O.K.	
Controls carried out:	Visual : O.K.	Measurement control : O.K.	Stamping : O.K.		

