

Chemical and Physical Test Report Made and Melted In USA

G-166958

CARTERSVILLE STEEL MILL 384 OLD GRASSDALE RD NE CARTERSVILLE GA 30121 USA (770) 387-3300

SHIP TO

SIDERTUL SA DE CV

MULTITERMINAL DE MONTERREY

ZVP ES 04-710-94 MONTERREY, NL

INVOICE TO

SIDERTUL SA DE CV RFC# SID930918KR0

AVENIDA PRESIDENTE MASARYK

MEXICO CITY, DF 11570

SHIP DATE

01/06/11

CUST. ACCOUNT NO

60638017

PRODUCED IN: CARTERSVILLE

HAPE + SIZE		GRADI	=	SPECI	FICATIO	NC					-							A-1	SA	SALES ORDER			CUST P.O. NUMBER			
J10 X 20#		A36		ASTM	ASTM A36-08, ASTM A572 GR50-07,CSA G40.21-04 44W, ASTM A709 GR50-09A												01	0131382-02			A-0021230-02					
HEAT I.D.	С	Mn	P	S	Sì	Си	NI	Cr	Mo	V	Nb	В	. N	Sn	Ai	TI	Ca	Zη	C Eqv							
G107510	.15	1.00	.011	.020	.21	128	.08	.07	.024	.016	<.008	.0002	.0092	.011	.000	.00100	.00010	.00470	.39							

Mechanical Test:

Yield 55100 PSI, 379.9 MPA

Tensile: 77000 PSI, 530.9 MPA %El: 24.2/8in, 24.2/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED, STEEL NOT EXPOSED TO MERCURY.

Mechanical Test:

Yield 56700 PSI, 390,93 MPA Tensile: 78600 PSI, 541,93 MPA %El: 21,7/8in, 21.7/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

PRODUCED IN: CARTERSVILLE

SHAPE + SIZE	SHAPE + SIZE GRADE			SPEC	SPECIFICATION															ES OR	DER	C	CUST P.O. NUMBER			
C10 X 20#	Ph.Pu.Prancjanovichaegeridi	A36	S	ASTM	A36-08,	ASTM	A572 GF	350-07,	CSA G4	0.21-04	44W, AS	STM A70	9 GR50	-09A					013	1382-02	?	A	-0021230		,,	
HEAT I.D.	C	Mn	P	S	Si	Си	Ni ·	Cr	Мо	V	Nb	В	N	Sn	Al	Ti	Ca	Zn	C Eqv	-		ATTACK CONTRACTOR			Management in the Comment of the Com	
G107511	.15	1.00	.012	.021	.21	.27	.08	.06	.024	.017	,001	.0002	.0087	.011	.000	.00100	.00040	.00540	.39							

Mechanical Test:

Yield 55200 PSI, 380.59 MPA Tensile: 76900 PSI, 530.21 MPA %El: 23.5/8in, 23.5/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY,

Mechanical Test:

Yield 55000 PSt, 379.21 MPA Tensile: 79200 PSt, 546,05 MPA %El: 22.4/8in, 22,4/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED, STEEL NOT EXPOSED TO MERCURY.

Customer Notes

NO WELD REPAIRMENT PERFORMED, STEEL NOT EXPOSED TO MERCURY.

All manufacturing processes including melt and cast, occurred in USA, MTR

complies with EN10204 3.18

Bhaskar Yalamanchili Quality Director

Gerdau Ameristeel

THE ABOVE FIGURES ARE CERTIFIED CHEMICAL AND PHYSICAL TEST RECORDS AS CONTAINED IN THE PERMANENT RECORDS OF COMPANY.

Metallurgical Services Manager CARTERSVILLE STEEL MILL

Seller warrants that all material furnished shall comply with specifications subject to standard published manufacturing variations. NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY THE SELLER, AND SPECIFICALLY EXCLUDED ARE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

and event shall seller be liable for indirect, consequential or punitive damages arising out of or related to the materials furnished by seller.

y claim for damages for materials that do not conform to specifications must be made from buyer to seller immediately after delivery of same in order to allow the seller the opportunity to inspect the material in stion.



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HAPE + SIZE		GRADE	-	SPEC	FIGATIO	N	un die er ham dem A versend		****	***************************************	**********								SA	LES OR	DER	C	CUST P.O. NUMBER			
10 X 20#		A36		ASTM	A36-08,	ASTM	A572 G	R50-07,	CSA G4	0.21-04	44W, A	STM A70	9 GR50	-09A	***************************************	***************************************	and the second service		013	31382-02	2	A	-0021230-02			
HEAT LD.	C	Mn	þ	S	SI	Cu	NI	Cr	Mo	V	Nb	В	N	Sn	Al	Ti	Ca	Zn	C Eqv	-		1		***************************************		
G107521	.15	1.00	.011	.020	.23	.25	80.	.06	.024	.015	.001	.0002	.0090	.010	.000	.00100	.00030	.00360	.38							

Mechanical Test: Yield 54300 PSI, 374.39 MPA Tensile: 76000 PSI, 524 MPA %El: 24.0/8in, 24.0/200MM

Customer Requirements CASTING: STRAND CAST

Commont: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Mechanical Test:

Yield 55900 PSI, 385.42 MPA Tensile: 78500 PSI, 527.45 MPA %Ei: 23.9/8lin, 23.9/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED, STEEL NOT EXPOSED TO MERCURY.

PRODUCED IN: CARTERSVILLE

SHAPE + SIZE GRADE			Ξ	SPEC	FICAT	ION				***************************************							***************************************		***********	SA	LES OR	DER	(CUST P.O. NUMBER			
C10 X 15.3# A36			ASTM	ASTM A35-08, ASTM A572 GR50-07,CSA G40.21-04 44W, ASTM A709 GR50-09A														013	0131382-01			A-0021230-01					
HEAT I.D.	C	Mn	P	S	SI	C	Ш	NI	Cr	Mo	V	Nb	8	N	Sn	Al	Ti	Ca	Zn	C Eqv	The for the contract to	-	Tarandam	William Annual Street	AND ESSENTIAL PROPERTY.	-	
G107533	.16	.89	.012	.027	.20	.2	6	.10	.05	.027	.016	.001	.0002	.0095	.011	.000	.00100	.00110	.00640	.37	-	-					

Mechanical Test Yleid 53900 PSI, 371.63 MPA Tensile: 75500 PSI, 520.55 MPA %El: 23.0/8in, 23.0/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Mechanical Test:

Yield 54400 PSI, 375.07 MPA Tensile: 76200 PSI, 525.38 MPA %EI: 23.2/8in, 23.2/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Sustomer Notes

NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

All manufacturing processes including melt and cast, occurred in USA. MTR

compiles with EN10204 3.1B

Bhaskar Yalamanchili Quality Director

Gerdau Ameristeel

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> Metallurgical Services Manager CARTERSVILLE STEEL MILL

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no event shall seller be liable for indirect, consequential or punitive damages arising out of or related to the materials furnished by seller.

y claim for damages for materials that do not conform to specifications must be made from buyer to seller immediately after delivery of same in order to allow the seller the opportunity to inspect the material in stion.