



Chemical and Physical Test Report

CARTERSVILLE STEEL MILL
 384 OLD GRASSDALE RD NE
 CARTERSVILLE GA 30121 USA

Made and Melted In USA

CUSTOMER: GERDAU CORSA S A P I DE CV

SHAPE + SIZE		GRADE		SPECIFICATION																SALES ORDER		CUST P.O. NUMBER						
C12 X 20.7#		A36/44/572		ASTM A36-08, ASTM A572 GR50-07, CSA G40.21-04 44W, ASTM A709 GR50-10																								
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Ca	Zn	C Eqv									
G120909	.08	1.16	.010	.025	.26	.20	.08	.04	.025	.034	.001	.0010	.0070	.014	.000	.00100	.00200	.00300	.37									

Mechanical Test: Yield 55200 PSI, 380.59 MPA Tensile: 71100 PSI, 490.22 MPA %El: 22.6/8in, 22.6/200MM

Customer Requirements **CASTING: STRAND CAST**

Mechanical Test: Yield 55300 PSI, 381.28 MPA Tensile: 71500 PSI, 492.98 MPA %El: 21.6/8in, 21.6/200MM

Customer Requirements **CASTING: STRAND CAST**

SHAPE + SIZE		GRADE		SPECIFICATION																SALES ORDER		CUST P.O. NUMBER					
C12 X 20.7#		A36/57250X		ASTM A36-08, A529GR50-05, A572GR50-07, CSA:G40.21 44W/50W																							
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Ca	Zn	C Eqv								
G120909	.08	1.16	.010	.025	.26	.20	.08	.04	.025	.034	.001	.0010	.0070	.014	.000	.00100	.00200	.00300	.37								

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Customer Requirements **CASTING: STRAND CAST**

All manufacturing processes including melt and cast, occurred in USA. MTR complies with EN10204 3.1B

Bhaskar Yalamanchili
 Quality Director
 Gerdau

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



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HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Ca	Zn	C Eqv						
G120912	.09	1.13	.007	.019	.27	.23	.08	.03	.024	.034	.001	.0010	.0100	.020	.000	.00100	.00000	.00100	.38						

Mechanical Test: Yield 55000 PSI, 379.21 MPA Tensile: 71200 PSI, 490.91 MPA %El: 22.2/8in, 22.2/200MM

Customer Requirements **CASTING: STRAND CAST**

Mechanical Test: Yield 54700 PSI, 377.14 MPA Tensile: 71200 PSI, 490.91 MPA %El: 21.1/8in, 21.1/200MM

Customer Requirements **CASTING: STRAND CAST**

SHAPE + SIZE	GRADE	SPECIFICATION																	SALES ORDER	CUST P.O. NUMBER					
C12 X 20.7#	A36/57250X	ASTM A36-08, A529GR50-05, A572GR50-07, CSA:G40.21 44W/50W																							
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Ca	Zn	C Eqv						
G120912	.09	1.13	.007	.019	.27	.23	.08	.03	.024	.034	.001	.0010	.0100	.020	.000	.00100	.00000	.00100	.38						

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Bhaskar Yalamanchili
Quality Director
Gerdau

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Zachary
Metallurgical Services Manager
CARTERSVILLE STEEL MILL

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C12 X 20.7#		A992		ASTM A992-06A																																				
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Ca	Zn	C Eqv																					
G120912	.09	1.13	.007	.019	.27	.23	.08	.03	.024	.034	.001	.0010	.0100	.020	.000	.00100	.00000	.00100	.38																					

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