

Bill To:  
SIDERTUL SA DE CV  
RFC# SID930918KRO  
AVENIDA PRESIDENTE MASARYK  
MEXICO CITY DF  
11570 MX

Ship To: 1  
SIDERTUL SA DE CV  
402 GRAND CENTRAL BLVD  
MILO DISTRIBUTION CENTER  
LAREDO TX  
78045 US

Order Date:03/09/2011  
PO No:4500000579  
Mill Order No:3866809  
Load No:1401976  
Manifest No:2098656

**CERTIFIED MATERIAL TEST REPORT**

**GERDAU AMERISTEEL**  
Petersburg Mill  
**GERDAU AMERISTEEL** 25801 Hofheimer Way  
Petersburg, VA 23803  
(804)524-2855

SPECIFICATIONS      SIZE      GRADE      LENGTH      PRODUCT  
ASTM A6-09, A992-06a, A572-07      W 21 X 101# / W530 X 150      992/572-50      40 FT / 12.192 M      WF BEAMS

HEAT NO: 30550580

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	1.17	.011	.027	.21	.28	.10	.12	.019	.016	.001	.002	.017	.33

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>	<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result	%
51.8	357.1	68.3	470.9	1.191	7.68	27.4	8 In 200 mm		
53.4	368.2	69.8	481.3	1.237	7.98	23.1	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.76	1.32	.76	1.31

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

"I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Signed: Tom L. Harrington Date: Oct. 21, 2011  
Tom L. Harrington: Quality Assurance Manager

Signed: \_\_\_\_\_  
Notary Public (if applicable)

Date: \_\_\_\_\_  
Page: 2 of 5

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HEAT NO: 30550610

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	1.14	.011	.026	.24	.30	.14	.12	.023	.017	.001	.002	.016	.34

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>	<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result	%
53.1	366.1	71.1	490.2	1.244	8.03	28.4	8 In 200 mm		
54.8	377.8	71.2	490.9	1.055	6.81	28.3	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.34	.77	1.3

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HEAT NO: 30550620

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	1.15	.011	.028	.26	.29	.12	.13	.023	.014	.001	.002	.016	.34

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>	<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result	%
53.6	369.6	71.6	493.7	1.239	7.99	24.8	8 In 200 mm		
53.3	367.5	70.5	486.1	1.250	8.06	26.6	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.34	.76	1.32

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