

Bill To:  
SIDERTUL SA DE CV  
RFC# SID930918KR0  
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:03/17/2011  
PO No:4500000580  
Mill Order No:3869628  
Load No:1387263  
Manifest No:2082648

**CERTIFIED MATERIAL TEST REPORT**  
GERDAU AMERISTEEL  
Midlothian Mill  
300 Ward Road  
Midlothian, TX 76065  
(972) 775-8241

SIZE GRADE LENGTH PRODUCT  
W 24 X 84# / W610 X 125 992/572-50 40 FT / 12.192 M WF BEAMS

SPECIFICATIONS  
ASTM A6-09, A992-06a, A572-07

HEAT NO: 22595840

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.94	.028	.040	.23	.39	.12	.16	.033	.010	.002	.003	.022	.31

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	%
55.1	379.9	73.2	504.7	1.092	7.05	25.2	8 In 200 mm		
56.1	386.8	73.8	508.8	1.120	7.23	24.0	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.33	.76	1.32

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: Jul. 15, 2011  
Tom L. Harrington: Quality Assurance Manager

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

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**CERTIFIED MATERIAL TEST REPORT**



**GERDAU AMERISTEEL**  
Midlothian Mill  
300 Ward Road  
Midlothian, TX 76065  
(972)775-8241

SPECIFICATIONS      SIZE      GRADE      LENGTH      PRODUCT  
ASTM A6-09, A992-06a, A572-07      W 24 X 84# / W610 X 125      992/572-50      40 FT / 12.192 M      WF BEAMS

HEAT NO: 22595850

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.93	.029	.028	.21	.45	.12	.18	.034	.011	.002	.003	.023	.32

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	%
55.8	384.7	73.8	508.8	1.110	7.16	25.2	8 In 200 mm		
56.8	391.6	75.5	520.6	1.114	7.19	26.4	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.76	1.32	.75	1.33

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**GERDAU AMERISTEEL**  
Midlothian Mill  
300 Ward Road  
Midlothian, TX 76065  
(972) 775-8241

SPECIFICATIONS  
ASTM A6-09, A992-06a, A572-07

SIZE	GRADE	LENGTH	PRODUCT
W 24 X 84# / W610 X 125	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22595860

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.90	.025	.041	.27	.44	.10	.15	.030	.021	.002	.003	.020	.3

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	%
56.5	389.6	75.4	519.9	1.113	7.18	23.7	8 In 200 mm		
55.5	382.7	75.3	519.2	1.091	7.04	25.2	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.34	.74	1.36

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Midlothian Mill  
300 Ward Road  
Midlothian, TX 76065  
(972) 775-8241

SPECIFICATIONS      SIZE      GRADE      LENGTH      PRODUCT  
ASTM A6-09, A992-06a, A572-07      W 24 X 84# / W610 X 125      992/572-50      40 FT / 12.192 M      WF BEAMS

HEAT NO: 22595870

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.86	.028	.023	.21	.43	.11	.18	.037	.018	.001	.003	.021	.3

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	%
56.1	386.8	73.1	504.0	1.095	7.06	25.2	8 In 200 mm		
56.4	388.9	74.9	516.4	1.107	7.14	25.0	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.77	1.3	.75	1.33

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W 24 X 84# / W610 X 125 992/572-50 40 FT / 12.192 M WF BEAMS  
SPECIFICATIONS  
ASTM A6-09, A992-06a, A572-07

HEAT NO: 22595920

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.85	.024	.035	.23	.33	.09	.10	.028	.012	.002	.003	.019	.29

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	%
54.5	375.8	71.8	495.0	1.091	7.04	26.1	8 In 200 mm		
53.4	368.2	71.4	492.3	1.137	7.34	26.6	8 In 200 mm		

TENSILE TEST RATIOS

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

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