

Bill To:  
SIDERTUL SA DE CV  
RFC# SID930918KR0  
AVENIDA PRESIDENTE MASARYK  
MEXICO CITY DF  
11570 MX

Ship To: 7  
SIDERTUL SA DE CV  
402 GRAND CENTRAL BLVD  
MILO DISTRIBUTION CENTER  
LAREDO TX  
78045 US

Order Date:07/07/2011  
PO No:4500022099  
Mill Order No:3906718  
Load No:1396623  
Manifest No:2093701

**CERTIFIED MATERIAL TEST REPORT**



GERDAU AMERISTEEL

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 18 X 50# / W460 X 74      992/572-50      40 FT / 12.192 M      WF BEAMS

HEAT NO: 22598510

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.92	.013	.035	.29	.43	.10	.11	.029	.011	.002	.003	.018	.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	%
60.4	416.4	77.9	537.1	0.827	5.34	23.4	8 In 200 mm			
61.0	420.6	77.7	535.7	0.820	5.29	24.1	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.78	1.29	.78	1.27

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: Sep. 21, 2011  
Tom L. Harrington: Quality Assurance Manager

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

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ASTM A6-09, A992-06a, A572-07      W 18 X 50# / W460 X 74      992/572-50      40 FT / 12.192 M      WF BEAMS

HEAT NO: 22598520

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.91	.013	.034	.24	.41	.10	.11	.029	.010	.002	.003	.015	.28

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	%
54.8	377.8	71.0	489.5	0.830	5.35	24.1	8 In	200 mm		
54.3	374.4	71.2	490.9	0.828	5.34	24.5	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.77	1.3	.76	1.31

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

SIZE	GRADE	LENGTH	PRODUCT
W 18 X 50# / W460 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22598490

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.90	.022	.029	.26	.41	.11	.16	.032	.009	.002	.003	.020	.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	%
59.9	413.0	75.5	520.6	0.800	5.16	25.6	8 In	200 mm		
59.2	408.2	76.2	525.4	0.812	5.24	24.7	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.79	1.26	.78	1.29

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