

Bill To:
FERRECABSA SA DE CV
217 HOLBEIN DESP. 402
COL. NOCHE BUENA
MEXICO CITY
03720

DF
MX

Ship To: 1
FERRECABSA SA DE CV
8502 EL GATO RD
EL PORTAL PARK
LAREDO
78045

TX
US

Order Date: 01/10/2012
PO No: 011012
Mill Order No: 3986250
Load No: 1431577
Manifest No: 2124632

CERTIFIED MATERIAL TEST REPORT



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

SPECIFICATIONS

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

SIZE
W 24 X 55# / W610 X 82

GRADE
992/572-50

LENGTH
40 FT / 12.192 M

PRODUCT
WF BEAMS

HEAT NO: 22627890

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.94	.012	.024	.24	.30	.09	.08	.030	.005	.002	.004	.022	.28

1065

PHYSICAL PROPERTIES

Yield Strength

KSI	MPa
57.7	397.8
57.0	393.0

Tensile Strength

KSI	MPa
73.1	504.0
72.2	497.8

Specimen Area

Sq In	Sq cm
0.728	4.70
0.737	4.75

Elongation

%	Gage Length
28.5	8 In 200 mm
27.6	8 In 200 mm

Bend Test
Dia. Result

ROA
%

TENSILE TEST RATIOS

YLD/TENS
.79

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: Mar. 09, 2012
Tom L. Harrington: Quality Assurance Manager

Signed: _____
Notary Public (if applicable)

Date: _____

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

SPECIFICATIONS

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

SIZE

W 24 X 55# / W610 X 82

GRADE

992/572-50

LENGTH

40 FT / 12.192 M

PRODUCT

WF BEAMS

HEAT NO: 22637830

<u>CHEMICAL ANALYSIS</u>													
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.90	.015	.016	.25	.34	.09	.12	.028	.009	.002	.004	.022	.28

1065

PHYSICAL PROPERTIES

Yield Strength

KSI	MPa
56.7	390.9
57.0	393.0

Tensile Strength

KSI	MPa
73.0	503.3
73.1	504.0

Specimen Area

Sq In	Sq cm
0.759	4.90
0.755	4.87

Elongation

%	Gage Length
28.9	8 In 200 mm
27.4	8 In 200 mm

Bend Test
 Dia. Result

ROA
 %

TENSILE TEST RATIOS

YLD/TENS
 .78

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