



CERTIFIED MATERIAL TEST REPORT

US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

CUSTOMER SHIP TO GERDAU CORSA S A P I DE CV 02 715 KMB 1023 507 ZVP MONTERREY,NL 64290 Mexico		CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico		GRADE 992/572-50	SHAPE / SIZE Wide Flange Beam / 16 X 31# / 410 X 46.1	
SALES ORDER 570153/000330		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 2,480 LB	HEAT / BATCH 59057430/11
CUSTOMER PURCHASE ORDER NUMBER 4501200708			BILL OF LADING 1327-0000081987	DATE 14.11.2013	SPECIFICATION / DATE of REVISION A572/A572M-07 A992/A992M-11 ASTM A6/A6M-11	

CHEMICAL COMPOSITION												
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	Sn %	V %	Nb %	Al %
0.08	0.83	0.012	0.039	0.21	0.27	0.08	0.13	0.020	0.011	0.001	0.009	0.001

CHEMICAL COMPOSITION	
CE _{eq} A6 %	0.3

MECHANICAL PROPERTIES					
YS KSI	UTS KSI	YS MPa	UTS MPa	G/L Inch	G/L mm
53.7	68.5	373	475	8.000	200.0
54.0	68.9	370	473	8.000	200.0

MECHANICAL PROPERTIES		
Elong. %	Y/T rati %	
27.30	0.784	
24.80	0.783	

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. CMTR complies with EN 10204 3.1.

Bhaskar
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