

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 EX RENAULT ESTACION HB22 8385 CIUDAD DE FRAY BERNARDINO,HGO 43990 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 / 18 X 35# / 460 X 52
SALES ORDER 378467/000460		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 53,200 LB
CUSTOMER PURCHASE ORDER NUMBER 4500737381		BILL OF LADING 1327-0000059928		HEAT / BATCH 59055813/02	
		DATE 19.06.2013		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 %	
0.09	0.90	0.015	0.028	0.24	0.36	0.19	0.16	0.060	0.010	0.002	0.018	0.004	

CHEMICAL COMPOSITION	
C _{Eqv} A6 %	0.3

MECHANICAL PROPERTIES						
YS KSI	UTS KSI	YS MPa	UTS MPa	G/L Inch	G/L mm	
58.8	77.2	406	531	8.000	200.0	
58.9	77.0	405	532	8.000	200.0	

MECHANICAL PROPERTIES	
Elong. %	Y/T ratio %
24.00	0.765
23.40	0.762

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. We certify that these data are correct and in compliance with specified requirements. CMTR complies with EN 10204 3.1.

Maskan
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR

Tom Harrington
 TOM HARRINGTON
 QUALITY ASSURANCE MGR.