

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO		CUSTOMER BILL TO		GRADE	SHAPE / SIZE	DOCUMENT ID:
13049738/000180		1321-0000112336		GGMULTI	Flat Bar / 1/2 X 1 3/4	0000163436
SALES ORDER		DATE		LENGTH	WEIGHT	HEAT / BATCH
13049738/000180		06/23/2023		20'00"	4,582 LB	54196738/02
CUSTOMER PURCHASE ORDER NUMBER		SPECIFICATION / DATE OF REVISION				
SSW136114		ASME SA36, ASTM A529-14 ASTM A6-17, A36-14, A572-15 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13				



US-ML-CHARLOTTE  
6601 LAKEVIEW ROAD  
CHARLOTTE, NC 28269  
USA

CHEMICAL COMPOSITION	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
C (%)	0.13	0.021	0.23	0.34	0.17	0.16	0.060	0.002	0.006
Mn (%)	0.62	0.007							

MECHANICAL PROPERTIES	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
Elong. (%)	8,000	72569	500	51219	353
	8,000	72378	499	51158	353

GEOMETRIC CHARACTERISTICS  
R/R  
28.00

COMMENTS / NOTES  
This grade meets the requirements for the following grades:  
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50  
CSA Grades: 44W; 50W  
AASHTO Grades: M270-36; M270-50  
ASME Grades: SA36  
Gerdau's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit [www2.gerdau.com/metals-recycling](http://www2.gerdau.com/metals-recycling), or contact [metalsrecycling@gerdau.com](mailto:metalsrecycling@gerdau.com).

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdau possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

*Maskay*  
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