

**CERTIFIED MATERIAL TEST REPORT**



US-ML-JACKSON TN  
801 GERDAU AMERISTEEL ROAD  
JACKSON, TN 38305  
USA

CUSTOMER SHIP TO  INC	CUSTOMER BILL TO  C	GRADE GGMULTI	SHAPE / SIZE Flat Bar / 5/16 X 5	DOCUMENT ID: 0000560462
MANHATTAN,KS 66505-1688 USA		LENGTH 20'00"	WEIGHT 4,895 LB	HEAT / BATCH 63232780/03
SALES ORDER 13229925/000020	CUSTOMER MATERIAL N° 000000000101050020	SPECIFICATION / DATE or REVISION ASTM A529-19, A572-21 ASTM A6-17, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13, G40.21-13		
CUSTOMER PURCHASE ORDER NUMBER 4500556359	BILL OF LADING 1333-0000220964	DATE 08/08/2023		

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Al (%)	CEq <sub>A529</sub> (%)	Sn (%)
0.12	0.72	0.014	0.025	0.20	0.32	0.09	0.16	0.020	0.002	0.007	0.000	0.34	0.009

MECHANICAL PROPERTIES		Elong. (%)	G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
		30.00	8.000	200.0	72059	497	56184	387
		31.00	8.000	200.0	70781	488	54767	378

GEOMETRIC CHARACTERISTICS	
R:R	22.21

**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

Gerdaul'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 Gerdaul 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.

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