

CERTIFIED MATERIAL TEST REPORT

DOCUMENT ID: 0000571023	SHAPE / SIZE Flat Bar / 3/4 X 12	GRADE GGMULTI	HEAT / BATCH 55083137/03
CUSTOMER SHIP TO S USA		CUSTOMER BILL TO USA	
SALES ORDER 12581192/000010		CUSTOMER MATERIAL N° 000000001024120020	
CUSTOMER PURCHASE ORDER NUMBER G450039801		DATE 01/16/2023	

CUSTOMER SHIP TO S USA	CUSTOMER BILL TO USA
SALES ORDER 12581192/000010	CUSTOMER MATERIAL N° 000000001024120020
CUSTOMER PURCHASE ORDER NUMBER G450039801	DATE 01/16/2023

GO GERDAU
 US-ML-CARTERSVILLE
 384 OLD GRASSDALE ROAD NE
 CARTERSVILLE, GA 30121
 USA

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	
CHEMICAL COMPOSITION	
C (%)	0.12
Mn (%)	0.90
P (%)	0.015
S (%)	0.035
Si (%)	0.21
Cu (%)	0.27
Ni (%)	0.11
Cr (%)	0.10
Mo(%)	0.036
Sn (%)	0.010
V (%)	0.001
Nb (%)	0.019
CEqvA6 (%)	0.32

MECHANICAL PROPERTIES	
YS (MPa)	369
YS 0.2% (PSI)	74300
	370
UTS (MPa)	512
UTS (PSI)	74600
G/L (Inches)	8.000
Elong. (%)	25.20
	23.60

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

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.

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