

**CERTIFIED MATERIAL TEST REPORT**



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

CUSTOMER SHIP TO		CUSTOMER BILL TO		GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/8 X 1 1/2	DOCUMENT ID: 0000160002
USA		USA		LENGTH 20'00"	WEIGHT 13,773 LB	HEAT / BATCH 54195697/02
SALES ORDER 12798796/000010		CUSTOMER MATERIAL N° 000000000101211620		SPECIFICATION / DATE or REVISION ASME SA36, ASTM A529-14 ASTM A6-17, A36-14, A572-15 ASTM A709-18, AASHTO M270-12 CSA G40.20-13/G40.21-13		
CUSTOMER PURCHASE ORDER NUMBER 4500547955		BILL OF LADING 1321-0000110667		DATE 04/21/2023		

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
0.15	0.64	0.009	0.025	0.19	0.40	0.13	0.14	0.030	0.002	0.008

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
25.00	8.000	75015	517	54519	376	
26.20	8.000	73050	504	53802	371	

GEOMETRIC CHARACTERISTICS	
R:R	
44.00	

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

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 Gerdaу 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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