



CERTIFIED MATERIAL TEST REPORT

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

		GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/8 X 1 1/2	DOCUMENT ID: 0000131246
		LENGTH 20'00"	WEIGHT 9,182 LB	HEAT / BATCH 54187066/02
		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		
		DATE 01/28/2022		

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)
0.14	0.72	0.012	0.025	0.23	0.38	0.17	0.11	0.040	0.003	0.009

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
25.00	8.000	77691	536	55674	384	
26.30	8.000	76967	531	55812	385	

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 Gerdau possession. This material, including the billets, was produced (Electric Arc Furnace melted, Continuously cast, and/or Hot rolled) in the USA. CMTR complies with EN 10204 3.1.

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