

**CERTIFIED MATERIAL TEST REPORT**



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

SIT 312		GRADE GGMULTI	SHAPE / SIZE Angle / 2X1 1/2X3/16	DOCUMENT ID: 0000159662
SALES ORDER 12786379/000020		CUSTOMER MATERIAL N° 000000050200116620	LENGTH 20'00"	WEIGHT 5,512 LB
BILL OF LADING 1321-0000110497		DATE 04/14/2023	SPECIFICATION / DATE or REVISION ASTM A529-14, A572-15 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 4500547956				

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
0.14	0.67	0.010	0.025	0.19	0.35	0.09	0.14	0.020	0.003	0.008

MECHANICAL PROPERTIES					
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
28.80	8.000	76123	525	58164	401
27.50	8.000	76166	525	57883	399

GEOMETRIC CHARACTERISTICS	
R.R	
40.00	

**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 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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