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**ArcelorMittal**

ArcelorMittal LaPlace  
138 HWY 3217  
LaPlace LOUISIANA 70068  
Telephone (985) 652-4900  
Export Country = USA

**MATERIAL CERTIFICATION REPORT**  
INTSEL STEEL DISTRIBUTORS  
HOUSTON, TX

INTSEL STEEL DISTRIBUTORS  
SAN ANTONIO, TX  
2042 West Thompson Place  
SAN ANTONIO TX 78226  
USA

Tested in Accordance  
With: ASTM A6

Sales Order 148466-1  
Product Channels  
Heat NO. L100027  
Cust.Mat. C4725360480  
Size 4" X7.250

Date 08/07/2015  
Cust 40006160  
Grade A3652950  
Length 40' 00"  
PO: san-52351  
Ref. 80822664  
Pieces 32  
Weight 9280

CHEMICAL ANALYSIS	TEST 1		TEST 2		TEST 3	
	IMPERIAL	METRIC	IMPERIAL	METRIC	IMPERIAL	METRIC
C	0.11					
Mn	0.98					
P	0.010					
S	0.015					
Si	0.18					
Cu	0.30					
Ni	0.16					
Cr	0.20					
Mo	0.052					
Cb	0.010					
MECHANICAL PROPERTIES						
YIELD STRENGTH	52000 PSI	359 MPa	54700 PSI	377 MPa		
TENSILE STRENGTH	73500 PSI	507 MPa	74100 PSI	511 MPa		
ELONGATION	33 %	33 %	33 %	33 %		
GAUGE LENGTH	8 IN	203 mm	8 IN	203 mm		
BEND TEST DIAMETER						
BEND TEST RESULTS						
SPECIMEN AREA						
REDUCTION OF AREA						
IMPACT STRENGTH						

IMPACT STRENGTH AVERAGE TEST T.M.P ORIENTATION	INTERNAL CLEANLINESS		GRAIN SIZE HARDNESS GRAIN PRACTICE REDUCTION RATIO
	IMPERIAL	METRIC	
0			
0.012			

This heat makes the following grades: A36-08, A52950-05, G40.21-CSA50W, CSA44W, A70936-09a, ASME SA36-2010, A57250-07, A70950-10, and the following AASHTO M270 Grades: 36, 50, and 345. Heat is free of Mercury contamination in the process.

I hereby certify that the material test results presented here are from the reported heat and are correct. All tests were performed in accordance to the specification reported above. All steel is electric arc furnace melted (billets), manufactured, processed, tested in the U.S.A with satisfactory results. No weld repair was performed on this heat.

*Mark Edwards*

Notarized upon request: \_\_\_\_\_ Signed Mark Edwards MARK EDWARDS, QUALITY ASSURANCE SUPERVISOR  
Sworn to and subscribed before me on this 7th day of August, 2015

Notary Public \_\_\_\_\_ Parish/County \_\_\_\_\_  
Direct any questions or necessary clarifications concerning this report to the Sales Department 1-800-535-7692 (USA)