

### PLATE MILL

Issuing Date : 09/26/2005      B/L No. : 109483      Load No. : 111525      Our Order No. : 37805/2      Cust. Order No. : 1003010027  
 Vehicle No : LW 62080  
 Specification : 0.7500" x 96.000" x 240.000" / 19mm x 2438mm x 6096mm  
 ASTM A36-05/ASTM A709 Grade 36-05/A5SME SA36-03a  
 Sold To : Duferco Steel Inc  
 100 Matawan Road  
 Suite 400  
 MATAWAN, NJ 07747  
 Ship To : DUFERCO STEEL C/O PLESA ANAHUAC  
 Y CIA S  
 FOR FURTHERANCE INTO MEXICO  
 SPECIALIST IN TRANSIT FORWARDING  
 LAREDO TX  
 LECHERIA, MEX 54940

Marking :

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Alz	V	Nb	Ti	N	Ca	B	Sn	CEQ	PCM
5106174	0.18	0.90	0.013	0.008	0.22	0.26	0.09	0.09	0.01	0.008	0.007	0.003	0.002	0.0098	0.0018	0.0003	0.013	0.38	0.25

Plate Serial No	Pieces	Dir.	Tensile Test			Charpy Impacts			Temp
			(psi)	(psi)	Elongation % in 2"	(%)	(%)	(%)	
5106174-03	9	T	44,500	72,400	18.0	2	3	Ave.	Min
		T	44,400	72,800	20.0				Ave.

Metric Results Plate Serial No	Pieces	Dir.	Tensile Test			Charpy Impacts			Temp
			(MPa)	(MPa)	Elongation % in 2"	(%)	(%)	(%)	
5106174-03	9	T	307	499	18.0	2	3	Ave.	Min
		T	306	502	20.0				Ave.

Manufactured to fully killed practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.  
 Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast as-rolled discrete plate.  
 Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+(Cr+Mo+V)/5+(Cu+Ni)/15  
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+Sb  
 Heat and manufactured in the USA. ISO 9001-2000 certified (#12443-0) by SRI Quality System Registrar (#0985-09). PED 97/23/EC Compliant.  
 \*049 3.1.B/EN 10204 3.1.B(2004) compliant. For ABS grades only. Quality Assurance certificate No. 03-MMPQA-182

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications.

T. A. Depretis, Metallurgist

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## Mill Test Report

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**Issuing Date :** 09/26/2005      **B/L No. :** 109483      **Load No. :** 111525      **Our Order No. :** 37805/3      **Cust. Order No. :** 1003010027  
**Vehicle No. :** LW 62080  
**Specification :** 1.0000" x 96.000" x 240.000" / 25mm x 2438mm x 6096mm  
 ASTM A36-05/ASTM A709 Grade 36-05/ASME SA36-03a  
**Sold To :** Dufenco Steel Inc  
 100 Matawan Road  
 Suite 400  
 MATAWAN, NJ 07747  
**Ship To :** DUFENCO STEEL C/O PLESA ANAHUAC  
 Y CIAS  
 FOR FURTHERANCE INTO MEXICO  
 SPECIALIST IN TRANSIT FORWARDING  
 LAREDO TX  
 LECHERIA, MEX 54940

Marking :

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Alz	V	Nb	Ti	N	Ca	B	Sn	CEQ	PCM
5106285	0.18	0.88	0.014	0.001	0.18	0.26	0.08	0.11	0.01	0.010	0.004	0.001	0.001	0.0089	0.0010	0.0003	0.005	0.37	0.25

Plate Serial No	Pieces	Dir.	Tensile Test			Elongation			Charpy Impacts			
			(psi) Yield	(psi) Tensile	% in 2"	% in 8"	(%) shear	(%) shear	(%) shear	Ave.	(%) shear	Size
5106285-02	9	T	44,400	73,000	21.0	22.3	1	2	3	Ave.	Temp	Min Ave.

Metric Results Plate Serial No	Pieces	Dir.	Tensile Test			Elongation			Charpy Impacts			
			(MPa) Yield	(MPa) Tensile	% in 2"	% in 8"	(%) shear	(%) shear	(%) shear	Ave.	(%) shear	Size
5106285-02	9	T	306	505	21.3	22.3	1	2	3	Ave. <td>Temp</td> <td>Min Ave. </td>	Temp	Min Ave.

Manufactured to fully killed practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.  
 Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast as-rolled discrete plate.  
 Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+(Cr+Mo+V)/5+((Cu+Ni)/15)  
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B  
 Melted and manufactured in the USA. ISO 9001-2000 certified (#12443-0) by SRI Quality System Registrar (#0985-09). PED 97/23/EC Compliant.  
 N. 50049 3.1.B/EN 10204 3.1.B(2004) compliant. For ABS grades only. Quality Assurance certificate No. 03-MMPQA-182  
 We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications.  
 T. A. Deprells, Metallurgist  
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