

Issuing Date : 08/12/2014 B/L No. : 394764 Load No. : 399357 Our Order No. : 118317/36 Cust. Order No. : 17531
 Vehicle No: LW 62028 Sold To : PLESA ANAHUAC Y CIAS SA DE CV Ship To : ALMACEN FERROVIARIO ROAN SA DE CV
 Specification : 15.9mm x 2438.4mm x 6096.0mm PERIFERICO MTY ALLENDE KM 34.1
 AAR TC128-B Normalized Plate CPC-1154 (6-20-03) CPC-1241 (6/20/13). ESCOBEDO,NL 66050
 M-1002 App M Sec 5 NUEVO LEON
 ESCOBEDO,NL 66050

Marking :

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	Ti	N	Ca	B	Sn	Al(sol)	CEQ	PCM
4505622	0.22	1.44	0.009	0.000	0.20	0.25	0.08	0.12	0.01	0.031	0.003	0.002	0.0095	0.0019	0.0002	0.010	0.02	0.5146	0.3234
4505631	0.22	1.44	0.020	0.003	0.20	0.14	0.06	0.16	0.01	0.038	0.003	0.002	0.0100	0.0021	0.0001	0.007	0.02	0.5151	0.3197

Metric Results			Tensile Test				Heat Treat				Charpy Impacts						BHN					
Plate Serial		Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm °C	Time (min)	Temper °C	Time (min)	-----Absorbed Energy (Ft-lbs)-----				-----Lateral Expansion (in.)-----				Temp °C		
No	Pieces											1	2	3	Ave	Min	1	2	3		Ave	Min
4505622-02	4	7.40	T	434	621	36.3		899	27													
4505622-07	1	1.85	T	441	621	35.7		899	27													
4505631-01	8	14.81	T	441	614	34.6		899	27													
4505631-02	10	18.52	T	434	621	40.2		899	27													
4505631-03	4	7.40	T	483	662	36.1		899	27													
4505631-04	4	7.40	T	434	621	34.4		899	27													

Manufactured to fully killed fine grain 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 discrete plate, unless otherwise noted in Specification. For Mexico shipments: nhc-SalesMX@Nucor.com

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 9001:2008 certified (#010940) by SRI Quality System Registrar (#0985-09). PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant. DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate 14-MMPQA-723

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, including customer specifications.



T. A. Depretis, Metallurgist

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