

Issuing Date : 09/02/2014 B/L No. : 396363 Load No. : 401083 Our Order No. : 118317/36 Cust. Order No. : 17531
 Vehicle No: TTPX 806046 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 PERIFERICO MTY-ALLENDE KM 34.1
 KCSM
 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

Metric Results			Tensile Test				Heat Treat				Charpy Impacts							BHN						
Plate Serial No	Pieces	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					
												Dir.	1	2	3	Ave	Min	1	2	3	Ave	Min		
4505622-06	6	11.11	T	448	627	37.6		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

09/11/2014 7:49:14 AM