



TERNIUM MEXICO, S.A. DE C.V.

R.F.C. TME-840710-TR4

Av. Universidad No. 992, Colonia Cuauhtémoc, San Nicolás de los Garza, N.L.,
Código Postal 66450

Teléfonos: +52(81)8329-8500

www.ternium.com

**CERTIFICADO DE CALIDAD /
MILL TEST**

CC

Fecha de Emisión/ Date of issue
(DMA) 12/10/2008

No./ Document number
525586



525586

Código cliente/ Customer ID
501269

Pedido No./ Sales order
100876

Orden de compra/ Purchase order
5128

Cliente/ Customer

PLESA CIA
AV. VALLE DE LAS ALAMEDAS # 66-OCOL. SAN FRANCISCO CHILPAN
TULTITLAN, MX, MEX 54940

Remisión/ Delivery
525586

Medio de Transporte/ Means of transportation
Gondola Cerrada

Descripción de mercaderías/ Goods description
ROLLO FRIO RECOCIDO

Datos Generales / General Data

No. Rollo/Coil id.		1217370AJ	1222663AH	1224777AI	1224778AG	1225360AG	
Colada/Heat		0842783	NA857915	823125	823134	813132	
Recubrimiento/Coating		N/A	N/A	N/A	N/A	N/A	
Peso/Weight kg		8050	9735	8200	9330	8760	
Peso/Weight lb		17770.42	21490.07	18101.55	20596.03	19337.75	
Espesor/Thickness mm / in		0.0594	0.0606	0.061	0.0598	0.061	
Ancho Width	in	LI/LL	47.68	47.68	47.68	47.68	
		LS/UL	48.78	48.78	48.78	48.78	
		Real/Actual	48.07	48.11	48.15	48.07	48.11
	mm	LI/LL	1211	1211	1211	1211	1211
		LS/UL	1239	1239	1239	1239	1239
		Real/Actual	1221	1222	1223	1221	1222
Largo Length	m	LI/LL	N/A	N/A	N/A	N/A	
		LS/UL	N/A	N/A	N/A	N/A	
		Real/Actual	0	0	0	0	0
	ft	LI/LL	N/A	N/A	N/A	N/A	N/A
		LS/UL	N/A	N/A	N/A	N/A	N/A
		Real/Actual	0	0	0	0	0
Capa Thickness		oz/ft2	N/A	N/A	N/A	N/A	
		g/m2	N/A	N/A	N/A	N/A	
TS/ST (1)		N/A	N/A	N/A	N/A	N/A	
No. Parte/Part		N/A	N/A	N/A	N/A	N/A	
Descripción/Description		N/A	N/A	N/A	N/A	N/A	
Norma de Calidad/Quality Norm		SAE J403	SAE J403	SAE J403	SAE J403	SAE J403	
Grado/Grade		1008	1008	1008	1008	1008	

1. TS: Tratamiento superficial, Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc
4. RB: Rockwell B

2. LE: Limite elástico / YP: Yield Point
5. LI/LL Limite Inferior / Lower Limit

3. RT: Resistencia a la tensión / TS: Tensile Strength
6. LS/UL Limite Superior / Upper Limit

Observaciones / Comments

C.I. / ID #

Firma / Signature

Certificamos que el material aquí descrito ha sido inspeccionado y ensayado por personal autorizado independiente del área de manufactura con resultados satisfactorios en concordancia con la norma arriba descrita.
We here certify that the material described in here has been tested and inspected by authorized personal independent from the manufacturing department with satisfactory results in accordance with requirements of the above specification

Ing. Antonio Maní
Ternium Labs



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Calidad del Acero / Steel Quality

No. Rollo/Coil id.	1217370AJ	1222663AH	1224777AI	1224778AG	1225360AG	
Colada/Heat	0842783	NA857915	823125	823134	813132	
Análisis Químico Chemical Analysis (LI/LL - Real - LS/UL) %	C	0.0570	0.0700	0.0600	0.0590	0.0560
	Mn	0.1729	0.1900	0.1684	0.1553	0.1759
	S	0.0130	0.0160	0.0035	0.0060	0.0050
	P	0.0061	0.0140	0.0112	0.0050	0.0074
	Si	0.0088	0.0100	0.0148	0.0098	0.0121
	Al	0.0448	0.0480	0.0356	0.0555	0.0425
	Cr	0.0118	0.0300	0.0118	0.0110	0.0128
	Cu	0.0058	0.0400	0.0072	0.0055	0.0053
	Ni	0.0051	0.0200	0.0048	0.0030	0.0056
	Sb	0.0007	0.0007	0.0005	0.0010	
	Mo	0.0009	0.0020	0.0008	0.0003	0.0012
	Sn	0.0004	0.0020	0.0003	0.0003	0.0012
	N	0.0017	0.0040	0.0032	0.0029	0.0043
	Cb	0.0006	0.0020	0.0003	0.0003	0.0005
	V	0.0006	0.0020	0.0016	0.0008	0.0012
	Ca	0.0004	0.0038	0.0027	0.0026	
	B	0.0001				
Ti	0.0001	0.0003	0.0001	0.0001		

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