



**CERTIFICADO DE CALIDAD /  
MILL TEST**

CC

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

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

**No./ Document number**  
525584

**R.F.C. TME-840710-TR4**



525584

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

Código Postal 66450

Teléfonos: +52(81)8329-8500

www.ternium.com

**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**

525584

**Medio de Transporte/ Means of transportation**

Gondola Cerrada

**Descripción de mercaderías/ Goods description**

ROLLO FRIO RECOCIDO

**Datos Generales / General Data**

No. Rollo/Coil id.		1217370AI	1222663AG	1224777AJ	1224778AH	1225360AH	
Colada/Heat		0842783	NA857915	823125	823134	813132	
Recubrimiento/Coating		N/A	N/A	N/A	N/A	N/A	
Peso/Weight kg		8875	9155	7840	9130	9075	
Peso/Weight lb		19591.61	20209.71	17306.84	20154.53	20033.11	
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	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	N/A	
	g/m2	N/A	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 Strenght  
6. LS/UL Limite Superior / Upper Limit

**Observaciones / Comments**

**C.I. / ID #**

**Firma / Signature**

Ing. Antonio Mani  
Ternium Labs

Certificamos que el material aqui 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



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Calidad del Acero / Steel Quality						
No. Rollo/Coil id.	1217370AI	1222663AG	1224777AJ	1224778AH	1225360AH	
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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