



**TERNIUM MEXICO, S.A. DE C.V.**  
 Av. Universidad No. 992, Colonia Cuauhtémoc, San Nicolás de los Garza, N.L.  
 C.P. 66450  
 R.F.C. TME-840710-TR4

**ESPECIFICACIONES TECNICAS DEL MATERIAL**

**DATOS GENERALES**

25/05/2010  
**718492**

718492

No./ Document number  
 718492

CC

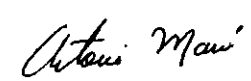
<b>Código cliente/ Customer ID</b> 1269	<b>Pedido No./ Sales order</b> 130849	<b>Orden de compra/ Purchase order</b> 7968
<b>Cliente/ Customer</b> PLESA CIA AV. VALLE DE LAS ALAMEDAS # 66-O COL. SAN FRANCISCO CHILPAN TULTITLAN MX 54940	<b>Remisión/ Delivery</b> 718492  <b>Medio de Transporte/ Means of transportation</b> Triple eje con susp. de a	

**Descripción de mercaderías/ Goods description**  
 ROLLO FRIO TENSIONIVELADO

**Datos Generales / General Data**

No. Rollo/Coil id.	Colada/Heat	Recubrimiento/ Coating	Peso/Weight		Espesor/ Thickness mm / in	Ancho/Width		Largo/Length		Capa/Thickness	
			kg	lb		in	mm	m	ft	oz/ft2	g/m2
1406302AI	WA4293710	N/A	8850	19536	0.62 / 0.0245	48.19	1224	N/A	N/A	N/A	N/A
1406308AH	MR1021039	N/A	6920	15276	0.62 / 0.0245	48.19	1224	N/A	N/A	N/A	N/A
1406308AI	MR1021039	N/A	6520	14393	0.62 / 0.0245	48.19	1224	N/A	N/A	N/A	N/A
1406308AJ	MR1021039	N/A	6520	14393	0.62 / 0.0245	48.19	1224	N/A	N/A	N/A	N/A

1. TS: Tratamiento superficial. Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc  
 2. LE: Limite elástico / YP: Yield Point  
 3. RT: Resistencia a la tensión / TS: Tensile Strength  
 4. RBW: Rockwell B Indentador de WC  
 5. L/LL Limite Inferior / Lower Limit  
 6. LS/UL Limite Superior / Upper Limit

<b>Observaciones / Comments</b> N/A	<b>C.I. / ID #</b>
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 independt from the manufacturing department with satisfactory results in acordance with requirements of the above specification	<b>Firma / Signature</b>   Ing. Antonio Mani Ternium Labs



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**DATOS GENERALES**

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**Datos Generales / General Data**

No. Rollo/Coil id.	Colada/Heat	TS/ST (1)	No. Parte/Part	Descripción/Description	Norma de Calidad/Quality Norm	Grado/Grade
1406302AI	WA4293710	N/A		ROLLO FRIO TENSIONIVELADO	SAE J403	1008
1406308AH	MR1021039	N/A		ROLLO FRIO TENSIONIVELADO	SAE J403	1008
1406308AI	MR1021039	N/A		ROLLO FRIO TENSIONIVELADO	SAE J403	1008
1406308AJ	MR1021039	N/A		ROLLO FRIO TENSIONIVELADO	SAE J403	1008

**Calidad del Acero / Steel Quality**

No. Rollo/Coil id.	Colada/Heat	Dureza RBW/Hardness RBW
1406302AI	WA4293710	49
1406308AH	MR1021039	45
1406308AI	MR1021039	45
1406308AJ	MR1021039	45

**Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)**

No. Rollo/Coil id.	Colada/Heat	C	Mn	P	S	Al	Si	Cu	Ni	Cr	Mo	V	Cb	Ti	N
1406302AI	WA4293710	0.050	0.230	0.020	0.007	0.034	0.020	0.004	0.020	0.020	0.004	0.002	0.001	0.002	0.005

**Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)**

No. Rollo/Coil id.	Colada/Heat	C	Mn	P	S	Al	Si	Cu	Ni	Cr	Mo	V	Cb	Ti	N
1406308AH	MR1021039	0.052	0.177	0.012	0.005	0.037	0.011	0.014	0.016	0.013	0.001	0.001	0	0	0.004

**Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)**

No. Rollo/Coil id.	Colada/Heat	C	Mn	P	S	Al	Si	Cu	Ni	Cr	Mo	V	Cb	Ti	N
1406308AI	MR1021039	0.052	0.177	0.012	0.005	0.037	0.011	0.014	0.016	0.013	0.001	0.001	0	0	0.004

**Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)**

No. Rollo/Coil id.	Colada/Heat	C	Mn	P	S	Al	Si	Cu	Ni	Cr	Mo	V	Cb	Ti	N
1406308AJ	MR1021039	0.052	0.177	0.012	0.005	0.037	0.011	0.014	0.016	0.013	0.001	0.001	0	0	0.004

1. TS: Tratamiento superficial, Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc 2. LE: Límite elástico / YP: Yield Point 3. RT: Resistencia a la tensión / TS: Tensile Strength  
 4. RBW: Rockwell B Indentador de WC 5. LIM/L Limite Inferior / Lower Limit 6. LS/UL Limite Superior / Upper Limit

Observaciones / Comments

N/A

C.I. / ID #

Firma / Signature

*Antonio Mani*

Ing. Antonio Mani  
 Ternium Labs

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