



# APM Division de: IMSA-MEX, SA DE CV

**TEST CERTIFICATE No. MTY 571213**

A1911

**Ship from:**

APM Division de: IMSA-MEX, SA DE CV

Churubusco #1000  
Col. Santa Fé  
Monterrey, Nuevo León 64540  
Tel. 8329-5000 Fax: 8329-5024

P/O No. 100000113  
S/O No. MTY 58277 / 2  
B/L No. MTY 549632 / 1  
Inv No. MTY

Shp. 11/05/2004

**Sold to:**

(1269)

PLESA ANAHUAC Y CIA. S.A. DE C.V.  
AV. VALLE DE LAS ALAMEDAS # 66-O  
COL. SAN FRANCISCO CHILPAN  
TULTITLAN. EDO. DE MEXICO  
RFC: PAC-040303-UY6 CP 54940

**Ship to:**  
PLESA ANAHUAC Y CIA. S.A. DE C.V.  
AV. VALLE DE LAS ALAMEDAS # 66-O  
COL. SAN FRANCISCO CHILPAN  
TULTITLAN. EDO. DE MEXICO  
RFC: PAC-040303-UY6 CP 54940

**CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 571213**

RC0.375X48.000-APMC36 18TN  
ROLLO DE AC. ROL. EN CAL. ASTM A36  
GaN 9.53 mm x Ancho 1220 mm (GaN 0.3750 in. x Ancho X48.000-APMC36 18TN in.)

Heat	Properties	Tag	Pcs.	Weight
0420973	PCED=45.1-45.1[PCED=311.06(0.00-0.00)] / RTEN=68.6-68.6[RTEN=473.15(0.00-0.00)] / %ELON=36.2-36.2 / APRO=<JAESTRAD> THICKNESS=9.6360	705740A	1	10,490
0431320	PCED=46.5-46.5[PCED=320.72(0.00-0.00)] / RTEN=67.4-67.4[RTEN=464.87(0.00-0.00)] / %ELON=37.8-37.8 / APRO=<JAESTRAD> THICKNESS=9.5590	705741A	1	10,654

**2**      **21,144**

Heat	**** Chemical Analysis ****
0420973	C=0.183 Mn=0.693 Si=0.201 P=0.0102 S=0.004 Al=0.0575
0431320	C=0.178 Mn=0.767 Si=0.18 P=0.0073 S=0.005 Al=0.0407

THE MECHANICAL TESTS RESULTS ARE IN KPSI [MPa] AND THE PERCENT OF ELONGATION IS IN 2" OF CALIBRATED LENGTH. FOR ANY QUESTION WE JUST ACCEPT THEM FROM THE CUSTOMER ABOVE MENTIONED AND WITH THE ORIGINAL DOCUMENT. WE HEREBY CERTIFY THAT THE INFORMATION HERE REPORTED IS CORRECT AND EXIST IN THE FILES OF THE COMPANY.

The equipment and test methods used for to get the results above described as apply, are as follows:

- Hardness-ASTM E 18-02- Hardness Tester-LA-E-0002.LA-E-0003
- Cup Erichsen Test- ASTM E 643-84(2000)- T.O. Cup Tester-LA-E-0005
- Tensile Test-ASTM E 8-01,ASTM A 370-01, ASTM E-517-01, ASTM E-646-00
- T.O.Tensile Machine-LA-E-0001, LA-E-0083
- Grain Size- ASTM E 112-96,-Metallurgical Microscope Nikon LA-E-0006
- Non Metallic Inclusions-ASTM E 45-97 - Metallurgical Microscope Nikon LA-E-0006
- Magetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058

LABORATORY'S CHIEF