



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

Reference: Miprcert1e.Rpt  
Date: 21 Jul 2004

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## TEST CERTIFICATE No. MTY 586127

Ship from:

APM Division de: IMSA-MEX, SA DE CV

Churubusco #1000  
Col. Santa Fe

Monterrey, Nuevo León 64540

Tel. 8329-5000 Fax: 8329-5024

P/O No. 100000013

S/O No. MTY 58281 / 1

B/L No. MTY 564928 / 1

Inv No. MTY

A5761-A

Shp. 20/07/2004

Sold to:

(1269)

PLESA ANAHUAC Y CIA. S.A. DE C.V.  
AV. VALLE DE LAS ALAMEDAS # 66-0

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 # 66-0

COL. SAN FRANCISCO CHILPAN

TULTITLAN. EDO. DE MEXICO

RFC: PAC-040303-UY6 CP 54940

### CERTIFICATE OF ANALYSIS AND TEST

Cert. No. MTY 586127

RC0.500X60.00-APM50M 7-20T

ROLLO DE AC. ROL. EN CAL. ASTM A572 GR.50

GaN 12.70 mm x Ancho 1524 mm (GaN 0.5000 in. x Ancho X60.00-APM50M 7-20T in.)

PLA-A572/50-1.2-ROLLS

Heat	Properties	Tag	Pcs.	Weight
0441778	PCED=64.5-64.5/RTEN=77.6-77.6/%ELON=34-34/APRO=<JIMENEZ>/ THICKNESS=12.7020	722303A	1	12,840
0431881	PCED=65.4-65.4/RTEN=77.4-77.4/%ELON=35.6-35.6/APRO=<JAESTRAD> THICKNESS=12.7300	722307A	1	12,865

2

25,705

Heat

#### \*\*\*\* Chemical Analysis \*\*\*\*

0431881

C=0.075 Mn=1 P=0.011 S=0.008 Al=0.0395 Si=0.0276

0441778

C=0.07 Mn=0.96 Si=0.0287 P=0.0105 S=0.008 Al=0.0304

THE MECHANICAL TESTS RESULTS ARE IN PSI 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, JIS Z 2245-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, DIN 10002-1,  
DIN 10130, JIS Z 2241, JIS Z 2201, JIS Z 2253, JIS Z 2254

Bend Test- ISO7438, JIS Z 2248, JIS Z 2204

- T.O.Tensile Machine-LA-E-0001, LA-E-0083

Grain Size- ASTM E 112-96,-Metallurgical Microscope Nikon LA-E-0006

LABORATORY'S CHIEF