

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



## TEST CERTIFICATE No. MTY 585598

A5629

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. 100000297  
S/O No. MTY 59575 / 4  
B/L No. MTY 564517 / 1  
Inv No. MTY

Shp. 18/07/2004

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

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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 585598

RCU.00X60.000-APMA36 20TN  
ROLLO DE AC. ROL. EN CAL.ASTM A36  
GaN 12.70 mm x Ancho 1524 mm (GaN 0.5000 in. x Ancho X60.000-APMA36 20TN in.)  
002153

Heat	Properties	Tag	Pcs.	Weight
0431870	PCED=42.9-42.9/RTEN=67.1-67.1/%ELON=39.6-39.6/APRO=<JAESTRAD> THICKNESS=12.7330	722281A	1	12,700

**1**      **12,700**

Heat	**** Chemical Analysis ****
0431870	C=0.177 Mn=0.647 Si=0.213 P=0.0053 S=0.005 Al=0.0432

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



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

## TEST CERTIFICATE No. MTY 585652

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. 100000297

S/O No. MTY 59575 / 4

B/L No. MTY 564596 / 2

Inv No. MTY

Shp. 19/07/2004

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 585652

RC0.500X60.000-APMA36 20TN

ROLLO DE AC. ROL. EN CAL.ASTM A36

GaN 12.70 mm x Ancho 1524 mm (GaN 0.5000 in. x Ancho X60.000-APMA36 20TN in.)

002153

Heat	Properties	Tag	Pcs.	Weight
0431871	PCED=37.9-37.9/RTEN=66.6-66.6/%ELON=39.6-39.6/APRO=<JAESTRAD> THICKNESS=12.7560	722275A	1	12,765
0431870	PCED=41.6-41.6/RTEN=65.4-65.4/%ELON=39.8-39.8/APRO=<JAESTRAD> THICKNESS=12.7340	722277A	1	12,645

2

25,410

Heat	**** Chemical Analysis ****
0431870	C=0.177 Mn=0.647 Si=0.213 P=0.0053 S=0.005 Al=0.0432
0431871	C=0.184 Mn=0.703 Si=0.178 P=0.0058 S=0.007 Al=0.0435

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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

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