



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 21 Jul 2004

Page: 1 of 2

TEST CERTIFICATE No. MTY 586129

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. 100000014

S/O No. MTY 58282 / 2

B/L No. MTY 565061 / 1

Inv No. MTY

A5746

Shp. 21/07/2004

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 586129

RC0.375X60.00-APM50M 7-20T

ROLLO DE AC. ROL. EN CAL. GRADO ASTM A-572

GaN 9.53 mm x Ancho 1524 mm (GaN 0.3750 in. x Ancho X60.00-APM50M 7-20T in.)

PLA-A572/50-3.8-ROLLS

Heat	Properties	Tag	Pcs.	Weight
0411279	PCED=63.5-63.5/RTEN=75.6-75.6/%ELON=32.6-32.6/APRO=<JAESTRAD> THICKNESS=9.5410	722312A	1	12,758
0441778	PCED=66.9-66.9/RTEN=77.3-77.3/%ELON=31-31/APRO=<JAESTRAD>/ THICKNESS=9.5510	722313A	1	12,835
0441778	PCED=68.3[PCED=471.08(0.00-0.00)] / RTEN=77.1[RTEN=531.77(0.00-0.00)] / %ELON=28.4 / APRO=<JOE> / THICKNESS=9.5510	722314A	1	12,850

3

38,443

Heat	**** Chemical Analysis ****
0411279	C=0.08 Mn=0.976 Si=0.0211 P=0.0111 S=0.006 Al=0.0343
0441778	C=0.07 Mn=0.96 Si=0.0287 P=0.0105 S=0.008 Al=0.0304

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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, 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

A handwritten signature in black ink, appearing to be 'M. M. M.', is written over a horizontal line.

LABORATORY'S CHIEF