



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 572396

A1932.

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 / 3
B/L No. MTY 551012 / 1
Inv No. MTY

Shp. 16/05/2004

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.
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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 572396

RC0.375X60.000-APMA36 18TN
ROLLO DE AC. ROL. EN CAL.ASTM A36
GaN 9.53 mm x Ancho 1524 mm (GaN 0.3750 in. x Ancho X60.000-APMA36 18TN in.)

Heat	Properties	Tag	Pcs.	Weight
0431319	PCED=44.2-44.2[PCED=304.86(0.00-0.00)] / RTEN=66.2-66.2[RTEN=456.59(0.00-0.00)] / %ELON=39.2-39.2 / APRO=<JIMENEZ> / THICKNESS=9.5130	706928A	1	12,802
0431319	PCED=43.4-43.4[PCED=299.34(0.00-0.00)] / RTEN=66.1-66.1[RTEN=455.90(0.00-0.00)] / %ELON=40-40 / APRO=<JIMENEZ> / THICKNESS=9.5730	706929A	1	12,848

2

25,650

Heat	**** Chemical Analysis ****
0431319	C=0.183 Mn=0.662 Si=0.156 P=0.0087 S=0.004 Al=0.0397

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