

APM Division de: IMSA-MEX, SA DE CV



TEST CERTIFICATE No. MTY 579902

AD102

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. 100000249
S/O No. MTY 59255 / 1
B/L No. MTY 558540 / 1
Inv No. MTY

Shp. 21/06/2004

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 579902

004160 RCTDAM0.250X36.00-1010
R.C.TEMP.DEC.ACEIT.O.M. SAE-1010
GaN 6.35 mm x Ancho 915 mm (GaN 0.2500 in. x Ancho X36.00-1010 in.)
004160

| Heat | Properties | Tag | Pcs. | Weight |
|---------|---|---------|------|--------|
| 0432121 | FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0416->/MILLS=<0000000500> THICKNESS=6.3550 | 714199C | 1 | 7,596 |
| 0432121 | FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0416->/MILLS=<0000000500> THICKNESS=6.3550 | 714199D | 1 | 8,192 |
| 0431971 | FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0387->/MILLS=<0000000500> THICKNESS=6.3560 | 714201C | 1 | 6,842 |
| 0431971 | FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0387->/MILLS=<0000000500> THICKNESS=6.3560 | 714201D | 1 | 9,060 |

4 **31,690**

| Heat | **** Chemical Analysis **** |
|---------|---|
| 0431971 | Al=0.0497 C=0.091 Mn=0.3529 P=0.0067 S=0.003 Si=0.0252 |
| 0432121 | C=0.0939 Mn=0.358 Si=0.0157 P=0.0096 S=0.008 Al=0.051 |

31 11 5 20



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 579902

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- 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

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

LABORATORY'S CHIEF