



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 585635

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
Col. Santa Fé
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P/O No. 100000013
S/O No. MTY 58281 / 1
B/L No. MTY 564595 / 1
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

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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 585635

RCU.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-ROLL5

| Heat | Properties | Tag | Pcs. | Weight |
|---------|--|---------|------|--------|
| 0441778 | PCED=63.1-63.1/RTEN=77-77%/ELON=28.2-28.2/APRO=<JIMENEZ>/ THICKNESS=12.6830 | 722301A | 1 | 12,800 |
| 0411279 | PCED=64.9-64.9/RTEN=77.6-77.6%/ELON=34-34/APRO=<JIMENEZ>/ THICKNESS=12.7340 | 722306A | 1 | 12,765 |

2 **25,565**

| 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 |

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