



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 586203

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 565202 / 1
Inv No. MTY

A5763
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

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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 586203

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-ROLL5

| Heat | Properties | 3) 8 | Tag | Pcs. | Weight |
|---------|---|------|---------|------|--------|
| 0411279 | PCED=64.8-64.8/RTEN=78-78/%ELON=34-34/APRO=<JAESTRAD>/ THICKNESS=9.5320 | | 722308A | 1 | 12,820 |
| 0431881 | PCED=66.8-66.8/RTEN=77.3-77.3/%ELON=33.1-33.1/APRO=<JIMENEZ>/ THICKNESS=9.5410 | | 722311A | 1 | 11,755 |
| | | | | 2 | 24,575 |

| **** Chemical Analysis **** | |
|-----------------------------|--|
| Heat | |
| 0411279 | C=0.08 Mn=0.976 Si=0.0211 P=0.0111 S=0.006 Al=0.0343 |
| 0431881 | C=0.075 Mn=1 P=0.011 S=0.008 Al=0.0395 Si=0.0276 |

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