



# APM Division de: IMSA-MEX, SA DE CV

## TEST CERTIFICATE No. MTY 588254

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 / 1  
B/L No. MTY 567192 / 1  
Inv No. MTY

A5973  
Shp. 29/07/2004

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.  
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### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 588254

RCT0.250X60.00-APM50M 7-20T  
R. ACE. ROL. EN CAL TEMP.ASTM A572 GR. 50  
GaN 6.35 mm x Ancho 1524 mm (GaN 0.2500 in. x Ancho X60.00-APM50M 7-20T in.)  
PLA-A572/50-1.4-ROLL4

| Heat    | Properties   | Tag     | Pcs. | Weight |
|---------|--|---------|------|--------|
| 0411279 | PCED=69.3-69.3/RTEN=76.9-76.9/%ELON=28-28/APRO=<JIMENEZ>/MILLS=<0000000204><br>THICKNESS=6.3680  | 722357B | 1    | 12,850 |
| 0411279 | PCED=66.8-66.8/RTEN=76.5-76.5/%ELON=33-33/APRO=<JAESTRAD>/MILLS=<0000000245><br>THICKNESS=6.3620 | 722358B | 1    | 12,400 |
| 0411279 | PCED=69.4-69.4/RTEN=77-77/%ELON=28.6-28.6/APRO=<JIMENEZ>/MILLS=<0000000250><br>THICKNESS=6.3620  | 722360B | 1    | 12,840 |

3 38,090

| Heat    | **** Chemical Analysis ****                          |
|---------|--|
| 0411279 | C=0.08 Mn=0.976 Si=0.0211 P=0.0111 S=0.006 Al=0.0343 |

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