



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

Reference: Miprcert1e.Rpt  
Date: 26 Sep 2004

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## TEST CERTIFICATE No. MTY 602741

**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. 100000532  
S/O No. MTY 61507 / 3  
B/L No. MTY 582005 / 1  
Inv No. MTY

Shp. 26/09/2004  
8840

**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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PLESA ANAHUAC Y CIA. S.A. DE C.V.  
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### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 602741

RC0.500X48.000-APMC36 18TN  
ROLLO DE AC. ROL. EN CAL. ASTM A36  
GaN 12.70 mm x Ancho 1220 mm (GaN 0.5000 in. x Ancho X48.000-APMC36 18TN in.)  
002152

Heat	Properties	Tag	Pcs.	Weight
SK57782	PCED=46.5[PCED=320.72(0.00-0.00)] / RTEN=68.7[RTEN=473.84(0.00-0.00)] / %ELON=38.4 / APRO=<JUG> / THICKNESS=12.7720	740242A	1	17,970

1 17,970

Heat	**** Chemical Analysis ****
SK57782	C=0.18 Mn=0.67 Si=0.2 P=0.014 S=0.022 Al=0.035

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, 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