



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

Reference: Miprcert1e.Rpt  
Date: 13 Jul 2004

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## TEST CERTIFICATE No. MTY 584254

A5905

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. 100000297  
S/O No. MTY 59575 / 1  
B/L No. MTY 563246 / 1  
Inv No. MTY

Shp. 12/07/2004

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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TULTITLAN. EDO. DE MEXICO  
RFC: PAC-040303-UY6 CP 54940

### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 584254

002135 RCT0.312X36.000-APMC36  
R. ACE. ROL. EN CAL TEMP.  
GaN 7.94 mm x Ancho 915 mm (GaN 0.3125 in. x Ancho 36.000 in.)  
002135

Heat	Properties	Tag	Pcs.	Weight
0411171	PCED=49.9-49.9/RTEN=70.6-70.6/%ELON=36-36/APRO=<JAESTRAD>/MILLS=<0000000500> THICKNESS=7.9340	718656B	1	15,960
0441506	PCED=47.2-47.2/RTEN=67.4-67.4/%ELON=34.6-34.6/APRO=<JAESTRAD>/MILLS=<0000000500> THICKNESS=7.9360	718658B	1	15,950
0431646	PCED=46.1-46.1/RTEN=67.6-67.6/%ELON=36.4-36.4/APRO=<JAESTRAD>/MILLS=<0000000500> THICKNESS=7.9410	718660B	1	15,880

3 47,790

Heat	**** Chemical Analysis ****
0411171	C=0.192 Mn=0.74 Si=0.19 P=0.0078 S=0.004 Al=0.0544
0431646	C=0.184 Mn=0.647 Si=0.184 P=0.0087 S=0.004 Al=0.0574
0441506	C=0.179 Mn=0.669 Si=0.174 P=0.0126 S=0.005 Al=0.0504



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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



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LABORATORY'S CHIEF