

68039

Reference: Miprcert1e.Rpt  
Date: 29 Mar 2004



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

Page: 1 of 1

## TEST CERTIFICATE No. MTY 559634

# 5154

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. 12822  
S/O No. MTY 54284 / 13  
B/L No. MTY  
Inv No. MTY 537230 / 1

Ship. 22/03/2004

Sold to: (924)  
PLESA ANAHUAC.S.A. DE C.V  
AV. VALLE DE LAS ALAMEDAS # 66-A  
COL. SAN FRANCISCO CHILPAN  
TULTITLAN, EDO. DE MEXICO  
RFC: PAN-810423-7L9 CP 54940

Ship to:  
PLESA ANAHUAC.S.A. DE C.V  
AV. VALLE DE LAS ALAMEDAS # 66-A  
COL. SAN FRANCISCO CHILPAN  
TULTITLAN, EDO. DE MEXICO  
RFC: PAN-810423-7L9 CP 54940

### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 559634

RCT0.312X48.000-APMC36 18TN  
R. ACE. ROL. EN CAL TEMP.ASTM A36  
GaN 7.94 mm x Ancho 1220 mm (GaN 0.3125 in. x Ancho 48.000 in.)

Heat	Tag	Pcs.	Weight
0313439	690063B	1	17,860
PCED=43.7-43.7[PCED=301.41(0.00-0.00)] / RTEN=64.9-64.9[RTEN=447.63(0.00-0.00)] / %ELON=39.4-39.4 / APRO=<JAESTRAD> / MILLS=<000000500> THICKNESS=7.9440			

1

17,860

Heat	**** Chemical Analysis ****
0313439	Al=0.0407 C=0.21 Mn=0.524 P=0.012 S=0.005 Si=0.0425

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- 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  
- T.O.Tensile Machine-LA-E-0001, LA-E-0083.  
Grain Size- ASTM E 112-96-Metallurgical Microscope Nikon LA-E-0006  
Non Metallic Inclusions-ASTM E 45-97 - Metallurgical Microscope Nikon LA-E-0006  
Magnetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058  
Chemical Analysis -ASTM E 415-95 A- Optical Emission Spectrometer  
The uncertainty by equipment as apply is documented in the calibration report.

LABORATORY'S CHIEF