



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

A1890

## TEST CERTIFICATE No. MTY 572451

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. 100000113  
S/O No. MTY 58277 / 1  
B/L No. MTY 551058 / 1  
Inv No. MTY

Shp. 17/05/2004

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 572451

002123 RCT0.250X60.000-APMA36  
R. ACE. ROL. EN CAL TEMP.ASTM A36  
GaN 6.35 mm x Ancho 1524 mm (GaN 0.2500 in. x Ancho X60.000-APMA36 in.)

002123

Heat	Properties	Tag	Pcs.	Weight
0421267	PCED=50.5-50.5[PCED=348.31(0.00-0.00)] / RTEN=67.6-67.6[RTEN=466.25(0.00-0.00)] / %ELON=37.7-37.7 / APRO=<JIMENEZ> / MILLS=<0000000300> THICKNESS=6.3680	706948B	1	12,800
0431320	PCED=48.6[PCED=335.20(0.00-0.00)] / RTEN=70.9[RTEN=489.01(0.00-0.00)] / %ELON=32.4 / APRO=<JOE> / MILLS=<0000000300> / THICKNESS=6.3690	706950B	1	12,820

2

25,620

Heat	**** Chemical Analysis ****
0421267	C=0.186 Mn=0.705 Si=0.169 P=0.0087 S=0.007 Al=0.0443
0431320	C=0.178 Mn=0.767 Si=0.18 P=0.0073 S=0.005 Al=0.0407

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
- Magetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058

LABORATORY'S CHIEF