

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

## TEST CERTIFICATE No. MTY 587651



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 / 4  
B/L No. MTY 566667 / 1  
Inv No. MTY

*A5804*  
Shp. 28/07/2004

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

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### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 587651

RC0.500X60.000-APMA36 20TN  
ROLLO DE AC. ROL. EN CAL.ASTM A36  
GaN 12.70 mm x Ancho 1524 mm (GaN 0.5000 in. x Ancho X60.000-APMA36 20TN in.)  
002153

Heat	Properties	Tag	Pcs.	Weight
0421863	PCED=37.7[PCED=260.02(0.00-0.00)] / RTEN=63.9[RTEN=440.73(0.00-0.00)] / %ELON=40 / APRO=<JOE> / THICKNESS=12.7300	722285A	1	12,965

1      12,965

Heat	****: Chemical Analysis ****:
0421863	C=0.194 Mn=0.6179 Si=0.197 P=0.0127 S=0.005 Al=0.0326

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