



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

## TEST CERTIFICATE · No. MTY 637191

Ship from:  
APM Division de: IMSA-MEX, SA DE CV  
Churubusco #1000  
Col. Santa Fé  
Monterrey, Nuevo León 64540  
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P/O No. 100000946  
S/O No. MTY 64719 / 1  
B/L No. MTY 617904 / 1  
Inv No. MTY

Shp. 23/02/2005

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 637191

RCT0.250X36.00-APMC36 20T  
R. ACE. ROL. EN CAL TEMP.ASTM A36  
GaN 6.35 mm x Ancho 915 mm (GaN 0.2500 in. x Ancho X36.00-APMC36 20T in.)

Heat	Properties	Tag	Pcs.	Weight
0520194	PCED=51.7-51.7[PCED=356.48(356.48-356.48)] / RTEN=71.6-71.6[RTEN=493.69(493.69-493.69)] / %ELON=33.6-33.6 / APRO=<ALLOPEZ> / MILLS=<0000000250> THICKNESS=6.3610	779147B	1	15,189

1      15,189

Heat	**** Chemical Analysis ****
0520194	C=0.185 Mn=0.673 Si=0.2 P=0.0117 S=0.004 Al=0.0378

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