

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



## TEST CERTIFICATE No. MTY 587557

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 / 2  
B/L No. MTY 566571 / 1  
Inv No. MTY

A5859  
Shp. 27/07/2004

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 587557

002137 RCT0.312X60.000-APMA36  
R. ACE. ROL. EN CAL TEMP.ASTM A36  
GaN 7.94 mm x Ancho 1524 mm (GaN 0.3125 in. x Ancho 60.000 in.)  
002137

Heat	Properties	Tag	Pcs.	Weight
0431870	PCED=41.7-41.7/RTEN=66.7-66.7/%ELON=36.2-36.2/APRO=<JIMENEZ>/MILLS=<0000000250> THICKNESS=7.9580	722260B	1	12,700
0431870	PCED=42.1-42.1/RTEN=66.1-66.1/%ELON=34.9-34.9/APRO=<JIMENEZ>/MILLS=<0000000119> THICKNESS=7.9520	722264B	1	12,800
0431871	PCED=41.3-41.3/RTEN=66.5-66.5/%ELON=35.4-35.4/APRO=<JIMENEZ>/MILLS=<0000000250> THICKNESS=7.9620	722266B	1	12,750

3

38,250

Heat	**** Chemical Analysis ****
0431870	C=0.177 Mn=0.647 Si=0.213 P=0.0053 S=0.005 Al=0.0432
0431871	C=0.184 Mn=0.703 Si=0.178 P=0.0058 S=0.007 Al=0.0435



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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