



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 587618

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 566554 / 1
Inv No. MTY

A5793
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 587618

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 *5/16*

Heat	Properties	Tag	Pcs.	Weight
0441283	PCED=41.5-41.5/RTEN=65.6-65.6/%ELON=36.5-36.5/APRO=<JIMENEZ>/MILLS=<0000000128> THICKNESS=7.9640	722259B	1	12,700
0431871	PCED=45.3-45.3/RTEN=66.3-66.3/%ELON=36-36/APRO=<JIMENEZ>/MILLS=<0000000144> THICKNESS=7.9540	722262B	1	11,170
0431871	PCED=41.3-41.3/RTEN=66.5-66.5/%ELON=35.4-35.4/APRO=<JAJ>/MILLS=<0000000250> THICKNESS=7.9530	722265B	1	11,690

3

35,560

Heat	**** Chemical Analysis ****
0431871	C=0.184 Mn=0.703 Si=0.178 P=0.0058 S=0.007 Al=0.0435
0441283	C=0.1879 Mn=0.651 Si=0.162 P=0.0065 S=0.005 Al=0.0427



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Reference: Miprcert1e.Rpt
Date: 28 Jul 2004

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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

LABORATORY'S CHIEF