



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 19 Jul 2004

Page: 1 of 1

TEST CERTIFICATE No. MTY 585636

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 / 1
B/L No. MTY 564596 / 1
Inv No. MTY

A 56 29 A

Shp. 19/07/2004

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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COL. SAN FRANCISCO CHILPAN
TULTITLAN. EDO. DE MEXICO
RFC: PAC-040303-UY6 CP 54940

CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 585636

002135 RCT0.312X36.000-APMC36
R. ACE. ROL. EN CAL TEMP.
GaN 7.94 mm x Ancho 915 mm (GaN 0.3125 in. x Ancho 36.000 in.)
002135

Heat	Properties	Tag	Pcs.	Weight
0431644	PCED=54.4-54.4/RTEN=70.7-70.7/%ELON=34-34/APRO=<JAESTRAD>/MILLS=<0000000500> THICKNESS=7.9230	718655B	1	15,860
0411171	PCED=47.4-47.4/RTEN=68.7-68.7/%ELON=35.6-35.6/APRO=<JAESTRAD>/MILLS=<0000000250> THICKNESS=7.9300	718657B	1	15,890

2 31,750

Heat	**** Chemical Analysis ****
0411171	C=0.192 Mn=0.74 Si=0.19 P=0.0078 S=0.004 Al=0.0544
0431644	C=0.181 Mn=0.631 Si=0.147 P=0.0089 S=0.004 Al=0.0519

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