



APM Division de: IMSA-MEX, SA DE CV

Reference: Mipcert1e.Rpt
Date: 27 Jul 2004

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TEST CERTIFICATE No. MTY 587539

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
Col. Santa Fe
Monterrey, Nuevo León 64540
Tel. 8329-5000 Fax: 8329-5024

P/O No. 100000304
S/O No. MTY 59579 / 2
B/L No. MTY 566555 / 1
Inv No. MTY

A5854

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

Ship to:
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

CERTIFICATE OF ANALYSIS AND TEST

Cert. No. MTY 587539

RCTDAM0.187X48.00-1010 11T
R.C.TEMP.DEC.ACEIT.O.M. SAE-1010
GaN 4.76 mm x Ancho 1220 mm (GaN 0.1875 in. x Ancho 48.00 in.)

Heat	Properties	Tag	Pcs.	Weight
0432440	FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0630->/MILLS=<0000000250> THICKNESS=4.7630	78859	1	8,520
0432440	FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0630->/MILLS=<0000000250> THICKNESS=4.7630	78860	1	7,545

2

16,065

**** Chemical Analysis ****

Heat
0432440

C=0.0851 Mn=0.356 Si=0.0232 P=0.0179 S=0.0041 Al=0.0472

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