



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 21 Jul 2004

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TEST CERTIFICATE No. MTY 586125

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 / 4
B/L No. MTY 564926 / 1
Inv No. MTY

A5769
Shp. 20/07/2004

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 586125

RC0.500X60.000-APMA36 20TN
ROLLO DE AC. ROL. EN CAL.ASTM A36
GaN 12.70 mm x Ancho 1524 mm (GaN 0.5000 in. x Ancho X60.000-APMA36 20TN in.)
002153

Heat	Properties	Tag	Pcs.	Weight
0431871	PCED=37.9-37.9/RTEN=66.6-66.6/%ELON=39.6-39.6/APRO=<JAJ>/ THICKNESS=12.7170	722276A	1	13,145
0431871	PCED=37.9-37.9/RTEN=66.6-66.6/%ELON=39.6-39.6/APRO=<JAJ>/ THICKNESS=12.7010	722278A	1	13,005
0431870	PCED=41.6-42.9/RTEN=64.4-67.1/%ELON=39.6-39.8/APRO=<JAJ>/ THICKNESS=12.7290	722279A	1	13,020

3

39,170

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

LABORATORY'S CHIEF