



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 19 Sep 2004

Page: 1 of 1

TEST CERTIFICATE No. MTY 600998

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. 100000532

S/O No. MTY 61507 / 3

B/L No. MTY 580181 / 1

Inv No. MTY

Shp. 19/09/2004

8552

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.
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TULTITLAN. EDO. DE MEXICO
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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 600998

RC0.500X48.000-APMC36 18TN
ROLLO DE AC. ROL. EN CAL. ASTM A36
GaN 12.70 mm x Ancho 1220 mm (GaN 0.5000 in. x Ancho X48.000-APMC36 18TN in.)
002152

Heat	Properties	Tag	Pcs.	Weight
SK57782	PCED=46.5-46.5[PCED=320.72(0.00-0.00)] / RTEN=68.7-68.7[RTEN=473.84(0.00-0.00)] / %ELON=38.4-38.4 / APRO=<JAESTRAD> THICKNESS=12.7060	740238A	1	17,780
SK57772-1	PCED=45.2-45.2[PCED=311.75(0.00-0.00)] / RTEN=67.8-67.8[RTEN=467.63(0.00-0.00)] / %ELON=36-36 / APRO=<JIMENEZ> / THICKNESS=12.7720	740239A	1	17,775

2

35,555

Heat	**** Chemical Analysis ****
SK57772-1	C=0.18 Mn=0.66 Si=0.17 P=0.015 S=0.017 Al=0.044
SK57782	C=0.18 Mn=0.67 Si=0.2 P=0.014 S=0.022 Al=0.035

THE MECHANICAL TESTS RESULTS ARE IN KPSI [MPa] 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