



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 19 Sep 2004

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TEST CERTIFICATE No. MTY 601019

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 / 4
B/L No. MTY 580199 / 1
Inv No. MTY

Shp. 19/09/2004
8553

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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TULTITLAN, EDO. DE MEXICO
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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 601019

RC0.375X48.000-APMC36 18TN
ROLLO DE AC. ROL. EN CAL. ASTM A36
GaN 9.53 mm x Ancho 1220 mm (GaN 0.3750 in. x Ancho X48.000-APMC36 18TN in.)

Heat	Properties	Tag	Pcs.	Weight
SK57776-1	PCED=42.6-42.6[PCED=293.82(0.00-0.00)] / RTEN=64.5-64.5[RTEN=444.87(0.00-0.00)] / %ELON=34-34 / APRO=<JIMENEZ> / THICKNESS=9.6380	740247A	1	17,850
SK57772-1	PCED=44.3-44.3[PCED=305.55(0.00-0.00)] / RTEN=65.7-65.7[RTEN=453.15(0.00-0.00)] / %ELON=38.5-38.5 / APRO=<JIMENEZ> / THICKNESS=9.6480	740248A	1	17,900

2

35,750

Heat	**** Chemical Analysis ****
SK57772-1	C=0.18 Mn=0.66 Si=0.17 P=0.015 S=0.017 Al=0.044
SK57776-1	C=0.18 Mn=0.63 Si=0.18 P=0.015 S=0.019 Al=0.038

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