



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 575141

A 3051

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. 100000014
S/O No. MTY 58280 / 1
B/L No. MTY 553671 / 1
Inv No. MTY

Shp. 28/05/2004

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 575141

RCT0.250X48.00-APM50M 7-20T
R. ACE. ROL. EN CAL TEMP. GRADO ASTM A-572 G5
GaN 6.35 mm x Ancho 1220 mm (GaN 0.2500 in. x Ancho X48.00-APM50M 7-20T in.)
PLA-A572/50-1.4-ROLL4

Heat	Properties	Tag	Pcs.	Weight
0430956	PCED=69.5-69.5[PCED=479.36(0.00-0.00)] / RTEN=77.8-77.8[RTEN=536.60(0.00-0.00)] / %ELON=31.6-31.6 / APRO=<ALLOPEZ> / MILLS=<0000000500> THICKNESS=6.3610	709258B	1	10,710
0430956	PCED=69.5-69.5[PCED=479.36(0.00-0.00)] / RTEN=77.8-77.8[RTEN=536.60(0.00-0.00)] / %ELON=31.6-31.6 / APRO=<ALLOPEZ> / MILLS=<0000000500> THICKNESS=6.3610	709258C	1	10,180
0430955	PCED=69-69[PCED=475.91(0.00-0.00)] / RTEN=76.2-76.2[RTEN=525.57(0.00-0.00)] / %ELON=31.6-31.6 / APRO=<ALLOPEZ> / MILLS=<0000000500> THICKNESS=6.3540	709259B	1	10,760
0430955	PCED=69-69[PCED=475.91(0.00-0.00)] / RTEN=76.2-76.2[RTEN=525.57(0.00-0.00)] / %ELON=31.6-31.6 / APRO=<ALLOPEZ> / MILLS=<0000000500> THICKNESS=6.3540	709259C	1	10,200

4 41,850

Heat	**** Chemical Analysis ****
0430955	C=0.08 Mn=0.903 Si=0.019 P=0.0095 S=0.0051 Al=0.0391
0430956	Al=0.037 C=0.087 Mn=0.918 P=0.0102 S=0.004 Si=0.0253



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 28 May 2004

Page: 2 of 2

TEST CERTIFICATE No. MTY 575141

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- 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

- T.O.Tensile Machine-LA-E-0001, LA-E-0083

Grain Size- ASTM E 112-96,-Metallurgical Microscope Nikon LA-E-0006

Non Metallic Inclusions-ASTM E 45-97 - Metallurgical Microscope Nikon LA-E-0006

Magetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058

LABORATORY'S CHIEF