



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 7 Jun 2004

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TEST CERTIFICATE No. MTY 577138

A3174

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 58282 / 3
B/L No. MTY 555642 / 1
Inv No. MTY

Shp. 06/06/2004

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

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TULTITLAN. EDO. DE MEXICO
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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 577138

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
0420553	PCED=68.9[PCED=475.22(0.00-0.00)] / RTEN=78[RTEN=537.98(0.00-0.00)] / %ELON=28.2 / APRO=<JAJ> / MILLS=<000000500> / THICKNESS=6.3630	709261B	1	18,450

1

18,450

Heat	**** Chemical Analysis ****
0420553	C=0.074 Mn=0.958 Si=0.0279 P=0.0146 S=0.002 Al=0.0373

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