



APM Division de: IMSA-MEX, SA DE CV

Reference: Mipcert1e.Rpt
Date: 21 Jul 2004

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TEST CERTIFICATE No. MTY 586124

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. 100000013
S/O No. MTY 58281 / 1
B/L No. MTY 564924 / 1
Inv No. MTY

A5768
Shp. 20/07/2004

Sold to:

(1269)

PLESA ANAHUAC Y CIA. S.A. DE C.V.
AV. VALLE DE LAS ALAMEDAS # 66-0
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 # 66-0
COL. SAN FRANCISCO CHILPAN
TULTITLAN. EDO. DE MEXICO
RFC: PAC-040303-UY6 CP 54940

CERTIFICATE OF ANALYSIS AND TEST

Cert. No. MTY 586124

RC0.500X60.00-APM50M 7-20T
ROLLO DE AC. ROL. EN CAL. ASTM A572 GR.50
GaN 12.70 mm x Ancho 1524 mm (GaN 0.5000 in. x Ancho X60.00-APM50M 7-20T in.)
PLA-A572/50-1.2-ROLL5

Heat	Properties	Tag	Pcs.	Weight
0411279	PCED=63.2-63.2/RTEN=76.9-76.9/%ELON=39.2-39.2/APRO=<JAESTRAD> THICKNESS=12.6950	722302A	1	12,730

1 12,730

Heat	**** Chemical Analysis ****
0411279	C=0.08 Mn=0.976 Si=0.0211 P=0.0111 S=0.006 Al=0.0343

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