



APM Division de: IMSA-MEX, SA DE CV

A1888

TEST CERTIFICATE No. MTY 572430

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. 100000113
S/O No. MTY 58277 / 1
B/L No. MTY 551035 / 1
Inv No. MTY

Shp. 16/05/2004

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.
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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 572430

002123 RCT0.250X60.000-APMA36
R. ACE. ROL. EN CAL TEMP.ASTM A36
GaN 6.35 mm x Ancho 1524 mm (GaN 0.2500 in. x Ancho X60.000-APMA36 in.)
002123

Heat	Properties	Tag	Pcs.	Weight
0410840	PCED=46.2-46.2[PCED=318.65(0.00-0.00)] / RTEN=65.4-65.4[RTEN=451.08(0.00-0.00)] / %ELON=35-35 / APRO=<JIMENEZ> / MILLS=<0000000500> THICKNESS=6.3710	706945B	1	12,810
0421265	PCED=51.9-51.9[PCED=357.96(0.00-0.00)] / RTEN=69.8-69.8[RTEN=481.42(0.00-0.00)] / %ELON=30-30 / APRO=<JAESTRAD> / MILLS=<0000000500> THICKNESS=6.3790	706946B	1	12,860

2 25,670

Heat	**** Chemical Analysis ****
0410840	C=0.184 Mn=0.671 Si=0.16 P=0.0093 S=0.015 Al=0.0462
0421265	C=0.1879 Mn=0.769 Si=0.187 P=0.0095 S=0.007 Al=0.04

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