

APM Division de: IMSA-MEX, SA DE CV



TEST CERTIFICATE No. MTY 633572

ρ from:

APM Division de: IMSA-MEX, SA DE CV

P/O No. 100000839

S/O No. MTY 63711 / 4

B/L No. MTY 613950 / 1

Shp. 08/02/2005

Inv No. MTY

Churubusco #1000
Col. Santa Fe
Monterrey, Nuevo León 64540
Tel. 8329-5000 Fax: 8329-5024

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:
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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 633572

RCT0.187X60.00-APMA36 15T
R. ACE. ROL. EN CAL TEMP.ASTM A36
GaN 4.76 mm x Ancho 1524 mm (GaN 0.1874 in. x Ancho X60.00-APMA36 15T in.)
RCD.187X5

Heat	Properties	Tag	Pcs.	Weight
0434637	PCED=49.9-49.9[PCED=344.07(344.07-344.07)] / RTEN=67-67[RTEN=461.97(461.97-461.97)] / %ELON=35-35 / APRO=<JIMENEZ> / MILLS=<0000000209> THICKNESS=4.7720	777294B	1	12,720
0424734	PCED=49.7-49.7[PCED=342.69(342.69-342.69)] / RTEN=69.3-69.3[RTEN=477.83(477.83-477.83)] / %ELON=34-34 / APRO=<JAESTRAD> / MILLS=<0000000250> THICKNESS=4.7740	777295B	1	12,787

2 25,507

Heat	**** Chemical Analysis ****
0424734	C=0.18 Mn=0.674 Si=0.175 P=0.0089 S=0.007 Al=0.0342
0434637	C=0.1843 Mn=0.6377 Si=0.1498 P=0.0131 S=0.0075 Al=0.0469

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