



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 633627

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
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P/O No. 100000839
S/O No. MTY 63711 / 2
B/L No. MTY 613996 / 1
Inv No. MTY

Shp. 08/02/2005

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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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 633627

002105 RCT0.187X36.000-APMC36
R. ACE. ROL. EN CAL TEMP. ASTM A36
GaN 4.76 mm x Ancho 915 mm (GaN 0.1875 in. x Ancho 36.000 in.)
002105

Heat	Properties	Tag	Pcs.	Weight
0520195	PCED=48-48[PCED=330.96(330.96-330.96)] / RTEN=70.1-70.1[RTEN=483.35(483.35-483.35)] / %ELON=32-32 / APRO=<JAESTRAD> / MILLS=<0000000250> THICKNESS=4.7630	778574B	1	15,390
0520194	PCED=48.6-48.6[PCED=335.10(335.10-335.10)] / RTEN=66.9-66.9[RTEN=461.28(461.28-461.28)] / %ELON=28-28 / APRO=<JAESTRAD> / MILLS=<0000000250> THICKNESS=4.7640	778575B	1	15,400

2 30,790

Heat	**** Chemical Analysis ****
0520194	C=0.185 Mn=0.673 Si=0.2 P=0.0117 S=0.004 Al=0.0378
0520195	C=0.19 Mn=0.681 Si=0.2 P=0.0115 S=0.0089 Al=0.0343

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