



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 626182

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
Col. Santa Fé
Monterrey, Nuevo León 64540
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P/O No. 100000839
S/O No. MTY 63711 / 4
B/L No. MTY 606483 / 1
Inv No. MTY

Shp. 07/01/2005

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 626182

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
0434638	PCED=42.1-42.1[PCED=290.37(290.37-290.37)] / RTEN=67.3-67.3[RTEN=464.18(464.18-464.18)] / %ELON=30.4-30.4 / APRO=<JAESTRAD> / MILLS=<0000000250> THICKNESS=4.7650	766192B	1	12.410

1 12,410

Heat	**** Chemical Analysis ****
0434638	C=0.2 Mn=0.6779 Si=0.159 P=0.0145 S=0.0023 Al=0.0449

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