



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 634997

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
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P/O No. 100000946
S/O No. MTY 64715 / 1
B/L No. MTY 615583 / 1
Inv No. MTY

Shp. 14/02/2005

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 634997

RCT0.120X36.00-1010 20T
R. ACE. ROL. EN CAL TEMP.SAE-1010
GaN 3.04 mm x Ancho 915 mm (GaN 0.1197 in. x Ancho X36.00-1010 20T in.)

Heat	Properties	Tag	Pcs.	Weight
0434738	HRB=75/APRO=<DCG>/ THICKNESS=3.0790	778288B	1	9,165
0413816	HRB=74/APRO=<DCG>/ THICKNESS=3.0760	778290B	1	10,070

2

19,235

Heat	**** Chemical Analysis ****
0413816	C=0.1 Mn=0.338 Si=0.0188 P=0.0097 S=0.0055 Al=0.057
0434738	C=0.0902 Mn=0.314 Si=0.025 P=0.0094 S=0.0063 Al=0.0403

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

EB 14 FEB 2005