

APM Division de: IMSA-MEX, SA DE CV



TEST CERTIFICATE No. MTY 582868

A502

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 / 4
B/L No. MTY 561696 / 1
Inv No. MTY

Shp. 04/07/2004

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 582868

RC0.500X48.000-APMC36 18TN
ROLLO DE AC. ROL. EN CAL.ASTM A36
GaN 12.70 mm x Ancho 1220 mm (GaN 0.5000 in. x Ancho X48.000-APMC36 18TN in.)
002152

Heat	Properties	Tag	Pcs.	Weight
0442316	PCED=37-37/RTEN=64.6-64.6/%ELON=39.2-39.2/APRO=<JAESTRAD>/ THICKNESS=12.7100	717879A	1	18,065
0442317	PCED=39.6-39.6/RTEN=64.6-64.6/%ELON=40.4-40.4/APRO=<JAESTRAD> THICKNESS=12.7160	717880A	1	18,080

2

36,145

Heat	**** Chemical Analysis ****
0442316	C=0.178 Mn=0.69 Si=0.136 P=0.0099 S=0.006 Al=0.0425
0442317	C=0.184 Mn=0.6919 Si=0.118 P=0.0092 S=0.0089 Al=0.0354

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- 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