



# APM Division de: IMSA-MEX, SA DE CV

## TEST CERTIFICATE No. MTY 562030

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. 100000089  
S/O No. MTY 56019 / 6  
B/L No. MTY 539932 / 1  
Inv No. MTY

5469

Shp. 01/04/2004

Sold to: (924)  
PLESA ANAHUAC.S.A. DE C.V  
AV. VALLE DE LAS ALAMEDAS # 66-A  
COL. SAN FRANCISCO CHILPAN  
TULTITLAN. EDO. DE MEXICO  
RFC: PAN-810423-7L9 CP 54940

Ship to:  
PLESA ANAHUAC.S.A. DE C.V  
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### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 562030

002106 RCT0.187X48.000-APMC36  
R. ACE. ROL. EN CAL TEMP. ASTM A36  
GaN 4.76 mm x Ancho 1220 mm (GaN 0.1875 in. x Ancho 48.000 in.)  
002106

Heat	Properties	Tag	Pcs.	Weight
0420973	PCED=44.8-44.8[PCED=308.99(0.00-0.00)] / RTEN=66.6-66.6[RTEN=459.35(0.00-0.00)] / %ELON=35.8-35.8 / APRO=<ALLOPEZ> / MILLS=<0000000500> THICKNESS=4.7700	692255B	1	18,140

1 18,140

Heat	**** Chemical Analysis ****
0420973	C=0.183 Mn=0.693 Si=0.201 P=0.0102 S=0.004 Al=0.0575

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- 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