



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

Reference: Miprcert1e.Rpt  
Date: 23 Mar 2004

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## TEST CERTIFICATE No. MTY 558956

Ship from:  
APM Division de: IMSA-MEX, SA DE CV  
Churubusco #1000  
Col. Santa Fe  
Monterrey, Nuevo León 64540  
Tel. 8329-5000 Fax: 8329-5024

P/O No. 100000089  
S/O No. MTY 56019 / 4  
B/L No. MTY  
Inv No. MTY 536498 / 2

4941A  
Form 68026

Ship. 19/03/2004

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:  
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AV. VALLE DE LAS ALAMEDAS # 66-A  
COL. SAN FRANCISCO CHILPAN  
TULTITLAN. EDO. DE MEXICO  
RFC: PAN-810423-7L9 CP 54940

### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 558956

002010 RCT0.135X48.00-1010  
R. ACE. ROL. EN CAL TEMP. SAE-1010  
GaN 3.43 mm x Ancho 1220 mm (GaN 0.1350 in. x Ancho X48.00-1010 in.)

002010

Heat	Tag	Pcs.	Weight
0420527 FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0808->/MILLS=<0000000500> THICKNESS=3.4360	685874C	1	10,285

1 10,285

Heat	**** Chemical Analysis ****
0420527	C=0.093 Mn=0.3459 Si=0.0087 P=0.0083 S=0.007 Al=0.0444

THE MECHANICAL TESTS RESULTS ARE IN KPSI 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  
Magnetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058  
Chemical Analysis -ASTM E 415-95 A- Optical Emission Spectrometer  
The uncertainty by equipment as apply is documented in the calibration report.

LABORATORY'S CHIEF