



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

## TEST CERTIFICATE No. MTY 558419

4894 A

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 / 4  
B/L No. MTY 535870 / 2  
Inv No. MTY

Shp. 17/03/2004

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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TULTITLAN. EDO. DE MEXICO  
RFC: PAN-810423-7L9 CP 54940

### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 558419

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	Properties	Tag	Pcs.	Weight
0420523	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0530->/MILLS=<0000000500> THICKNESS=3.4380	685867C	1	9,735
0420523	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0530->/MILLS=<0000000500> THICKNESS=3.4380	685867D	1	9,685
0410397	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0672->/MILLS=<0000000500> THICKNESS=3.4370	685868C	1	10,265
0410397	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0672->/MILLS=<0000000500> THICKNESS=3.4370	685868D	1	10,360
0420527	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0808->/MILLS=<0000000500> THICKNESS=3.4360	685874D	1	10,455

5

50,500

Heat	**** Chemical Analysis ****
0410397	C=0.09 Mn=0.3319 Si=0.0154 P=0.0086 S=0.005 Al=0.0497
0420523	C=0.098 Mn=0.3459 Si=0.0086 P=0.0099 S=0.0064 Al=0.0467
0420527	C=0.093 Mn=0.3459 Si=0.0087 P=0.0083 S=0.007 Al=0.0444



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Reference: Miprcert1e.Rpt  
Date: 17 Mar 2004

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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  
Magnetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058

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LABORATORY'S CHIEF