



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

## TEST CERTIFICATE No. MTY 558418

4894

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 / 1  
B/L No. MTY 535870 / 1  
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  
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### CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 558418

002058 RCT0.080X48.00-1010  
R. ACE. ROL. EN CAL TEMP. SAE-1010  
GaN 2.03 mm x Ancho 1220 mm (GaN 0.0800 in. x Ancho X48.00-1010 in.)  
002058

Heat	Properties	Tag	Pcs.	Weight
0430527	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0238->/MILLS=<0000000019> THICKNESS=2.0330	687960B	1	9,510
0430527	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0238->/MILLS=<0000000300> THICKNESS=2.0330	687960C	1	10,900
0420522	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0294->/MILLS=<0000000500> THICKNESS=2.0340	687961C	1	10,420
0420522	FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0294->/MILLS=<0000000500> THICKNESS=2.0340	687961D	1	10,290

4

41,120

Heat	**** Chemical Analysis ****
0420522	C=0.098 Mn=0.348 Si=0.0104 P=0.0087 S=0.0061 Al=0.0411
0430527	C=0.09 Mn=0.333 Si=0.0184 P=0.0067 S=0.006 Al=0.0425



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

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LABORATORY'S CHIEF