



APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 582905

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. 100000304
S/O No. MTY 59579 / 3
B/L No. MTY 561736 / 2
Inv No. MTY

Shp. 05/07/2004

A5099-1

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

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CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 582905

004160 RCTDAM0.250X36.00-1010
R.C.TEMP.DEC.ACEIT.O.M. SAE-1010
GaN 6.35 mm x Ancho 915 mm (GaN 0.2500 in. x Ancho X36.00-1010 in.)

Heat	Properties	Tag	Pcs.	Weight
0432387	FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0483->/MILLS=<0000000500> THICKNESS=6.3570	717686C	1	7,998
0411669	FTEMP/CTEMP/XRAY=<0.975>/CROWN=<0.0511->/MILLS=<0000000500> THICKNESS=6.3570	717687C	1	7,945
0432387	FTEMP/CTEMP/XRAY=<0.988>/CROWN=<0.0524->/MILLS=<0000000500> THICKNESS=6.3580	717688C	1	8,188

3

24,131

Heat	**** Chemical Analysis ****
0411669	C=0.0983 Mn=0.338 Si=0.0166 P=0.0078 S=0.0074 Al=0.0469
0432387	C=0.0902 Mn=0.349 Si=0.0289 P=0.0134 S=0.0026 Al=0.0527



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Reference: Miprcert1e.Rpt
Date: 5 Jul 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

LABORATORY'S CHIEF