



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 23 Mar 2004

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TEST CERTIFICATE No. MTY 558953

4944 A

T F m 68026

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. 100000093
S/O No. MTY 55518 / 6
B/L No. MTY
Inv No. MTY 536496 / 2

Shp. 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 558953

002019 RCTDAM0.120X48.00-1010
R.C.TEMP.DEC.ACEIT.O.M. SAE-1010
GaN 3.05 mm x Ancho 1220 mm (GaN 0.1200 in. x Ancho X48.00-1010 in.)
002019

Heat	Tag	Pcs.	Weight
0420521 FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0152->/MILLS=<0000000500> THICKNESS=3.0480	686813C	1	10,290
0420521 FTEMP/CTEMP/XRAY=<0.976>/CROWN=<0.0152->/MILLS=<0000000500> THICKNESS=3.0480	686813D	1	10,172
		2	20,462

Heat	**** Chemical Analysis ****
0420521	C=0.09 Mn=0.35 Si=0.0289 P=0.0067 S=0.0063 Al=0.0516

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