



APM Division de: IMSA-MEX, SA DE CV

Reference: Miproert1e.Rpt
Date: 29 Mar 2004

Page: 1 of 2

TEST CERTIFICATE No. MTY 560206

5294

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 / 3
B/L No. MTY
Inv No. MTY 537825 / 1

Ship. 24/03/2004

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:
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

CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 560206

002027 RCTDAM0.105X36.00-1010
R.C.TEMP.DEC.ACEIT.O.M. SAE-1010
GaN 2.66 mm x Ancho 915 mm (GaN 0.1047 in. x Ancho X36.00-1010 in.)
002027

Heat	Tag	Pcs.	Weight
0440659 HRB=65/APRO=<JAJ>/MILLS=<0000000060>/ THICKNESS=2.6840	686849C	1	8,024
0440659 HRB=68/APRO=<JAJ>/MILLS=<0000000060>/ THICKNESS=2.6840	686850C	1	8,072
0440659 HRB=68/APRO=<JAJ>/MILLS=<0000000060>/ THICKNESS=2.6840	686850D	1	7,694
0430119 HRB=62/APRO=<JAJ>/MILLS=<0000000060>/ THICKNESS=2.6860	686851D	1	8,060
0430634 HRB=65/APRO=<JAJ>/MILLS=<0000000060>/ THICKNESS=2.6850	686853D	1	9,696

5

41,546

Heat	**** Chemical Analysis ****
0430119	C=0.086 Mn=0.342 Si=0.0182 P=0.0079 S=0.004 Al=0.0407
0430634	C=0.089 Mn=0.315 Si=0.0094 P=0.0074 S=0.007 Al=0.0281
0440659	C=0.0939 Mn=0.3389 Si=0.0141 P=0.0063 S=0.004 Al=0.0379

APM Division de: IMSA-MEX, SA DE CV



TEST CERTIFICATE No. MTY 560206

5294

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