

APM Division de: IMSA-MEX, SA DE CV

A 1966

TEST CERTIFICATE No. MTY 572770

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. 100000113
S/O No. MTY 58277 / 1
B/L No. MTY 551377 / 1
Inv No. MTY

Shp. 17/05/2004

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 572770

002123 RCT0.250X60.000-APMA36
R. ACE. ROL. EN CAL TEMP.ASTM A36
GaN 6.35 mm x Ancho 1524 mm (GaN 0.2500 in. x Ancho X60.000-APMA36 in.)
002123

Heat	Properties	Tag	Pcs.	Weight
0441283	PCED=52.7-52.7[PCED=363.48(0.00-0.00)] / RTEN=67.8-67.8[RTEN=467.63(0.00-0.00)] / %ELON=40.6-40.6 / APRO=<JIMENEZ> / MILLS=<0000000500> THICKNESS=6.3870	706947B	1	12,820
0431320	PCED=48.6[PCED=335.20(0.00-0.00)] / RTEN=70.9[RTEN=489.01(0.00-0.00)] / %ELON=32.4 / APRO=<JOE> / MILLS=<0000000300> / THICKNESS=6.3720	706951B	1	12,270
			2	25,090

Heat	**** Chemical Analysis ****
0431320	C=0.178 Mn=0.767 Si=0.18 P=0.0073 S=0.005 Al=0.0407
0441283	C=0.1879 Mn=0.651 Si=0.162 P=0.0065 S=0.005 Al=0.0427

THE MECHANICAL TESTS RESULTS ARE IN KPSI [MPa] 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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