

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

## TEST CERTIFICATE No. MTY 575136

A3095-A

Ship from:  
APM Division de: IMSA-MEX, SA DE CV  
Churubusco #1000  
Col. Santa Fé  
Monterrey, Nuevo León 64540  
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P/O No. 100000014  
S/O No. MTY 58282 / 3  
B/L No. MTY 553669 / 1  
Inv No. MTY

Shp. 28/05/2004

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 575136

RCT0.250X48.00-APM50M 7-20T  
R. ACE. ROL. EN CAL TEMP. GRADO ASTM A-572 G5  
GaN 6.35 mm x Ancho 1220 mm (GaN 0.2500 in. x Ancho X48.00-APM50M 7-20T in.)  
PLA-A572/50-1.4-ROLL4

Heat	Properties	Tag	Pcs.	Weight
0430957	PCED=68.3-68.3[PCED=471.08(0.00-0.00)] / RTEN=74.2-74.2[RTEN=511.77(0.00-0.00)] / %ELON=30.8-30.8 / APRO=<JIMENEZ> / MILLS=<0000000500> THICKNESS=6.3530	709260B	1	18,490

1      18,490

Heat	**** Chemical Analysis ****
0430957	C=0.069 Mn=0.95 Si=0.0118 P=0.0109 S=0.006 Al=0.043

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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