

APM Division de: IMSA-MEX, SA DE CV

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TEST CERTIFICATE No. MTY 601016

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
Col. Santa Fe
Monterrey, Nuevo León 64540
Tel. 8329-5000 Fax: 8329-5024

P/O No. 4500020859
S/O No. MTY 61147 / 1
B/L No. MTY 580196 / 1
Inv No. MTY

Shp. 19/09/2004

Sold to: (274)
FORTACERO, S. A. DE C. V.
BLVD.CARLOS SALINAS DE GORTARI
KM 8.8
APODACA, NUEVO LEON
RFC: FOR-960524-JP8 66600

Ship to:
FORTACERO MEXICO FFCC
ESTACION PANTACO
ESCAPE 04-801-94
MEXICO, D.F. 66600

CERTIFICATE OF ANALYSIS AND TEST

Cert. No. MTY 601016

RCD.375X5 RC0.375X60.000-A36
LAM RCSD SAE - APMA36 0.375 X 60.000
GaN 9.53 mm x Ancho 1524 mm (GaN 0.3750 in. x Ancho X5 RC0.375X60.000-A36 in.)
RCD.375X5

| Heat | Properties | Tag | Pcs. | Weight | Width |
|---------|--|---------|------|--------|---------|
| 0412364 | 112074 PCED=46-46[PCED=317.27(0.00-0.00)] / RTEN=68-68[RTEN=469.01(0.00-0.00)] / %ELON= 36-36 / APRO= <JAESTRAD> / THICKNESS=9.5630 | 738529A | 1 | 12.995 | 60.3543 |

1

12,995

| Heat | **** Chemical Analysis **** |
|---------|--|
| 0412364 | C=0.2 Mn=0.71 Si=0.15 P=0.0136 S=0.011 Al=0.0355 |

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, JIS Z 2245-Hardness Tester-1.A-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, DIN 10002-1,

DIN 10130, JIS Z 2241, JIS Z 2201, JIS Z 2253, JIS Z 2254

Bend Test- ISO7438, JIS Z 2248, JIS Z 2204

T O Tensile Machine-LA-E-0001, LA-E-0083

Grain Size- ASTM E 112-96,-Metallurgical Microscope Nikon LA-E-0006


LABORATORY'S CHIEF