

HIERROS MARCELINO FRANCO, S.A.
AVDA. GUADALHORCE, 131
33400 AVILES
ATTN. D./Dª. Juan Ramón Fernández Franco

Informe nº: 1108842
Orden/Pedido: 11-234
Muestra: 76208-011-011 c/76208 ✓
Fecha de recepción: 08/11/2011

ENSAYO DE TRACCION Y PLEGADO. MATERIALES METALICOS

Fecha de realización 09/11/2011

Norma: UNE-EN ISO 6892-1:2010 B

GL0211-3

| TRACCION | | Probeta | TZ1 | TZ2 | TZ3 | T1 | --- | --- |
|--------------------------------------|-------------------------------|---------|-------|-------|-------|-----------------------------|-----|-----|
| Espesor (mm) | | | --- | --- | --- | --- | --- | --- |
| Ancho o diámetro exterior(mm) | | | Ø9.97 | Ø10 | Ø9.97 | Ø9.92 | --- | --- |
| Sección (mm ²) | | | 78.07 | 78.54 | 78.07 | 77.29 | --- | --- |
| Módulo Elástico (MPa) | | | --- | --- | --- | --- | --- | --- |
| Longitud entre acuerdos Lc (mm) | | | --- | --- | --- | 55 | --- | --- |
| Límite elástico (MPa) | Superior R _{EH} | | --- | --- | --- | 347 | --- | --- |
| | Convencional R _{0,2} | | --- | --- | --- | --- | --- | --- |
| Carga de rotura | (kN) | | 43.63 | 43.29 | 43.47 | 41.90 | --- | --- |
| | (MPa) | | 559 | 551 | 557 | 542 | --- | --- |
| Longitud inicial L ₀ (mm) | | | --- | --- | --- | 50.0 | --- | --- |
| Alargamiento (%) | | | --- | --- | --- | A _{50.0 mm} = 30.5 | --- | --- |
| Estricción (%) | | | 72.0 | 70.5 | 72.0 | 72.5 | --- | --- |
| Zona de rotura | | | --- | --- | --- | --- | --- | --- |
| PLEGADOS | | | --- | --- | --- | --- | --- | --- |
| --- | | | --- | --- | --- | --- | --- | --- |

Observaciones: Ensayos presenciados por D. Enrique Castañón - Bureau Veritas

TZ1-TZ2-TZ3: Probetas extraídas en el sentido del espesor según UNE-EN 10164:2007

Informe realizado por:



Cristina Alvarez
Técnico del Grupo
Integridad Estructural