



## FICHA TÉCNICA

Producto: **Tubería Industrial SCH 40. Tipo 304. 1/2" sin costura**

**DESCRIPCIÓN:** Tubería Industrial SCH 40. Tipo 304. Longitud de 6 metros sin costura. ASTM A-312. De un espesor de pared para SCH 40 de 2.77 mm y un diámetro nominal de 1/2" soporta una presión interna de trabajo de 324 Kg/cm<sup>2</sup> - 4610 PSI. Para su uso industrial.

**CÓDIGO: W-20273**

**Marca:** Carbone Stainless Steel

**Espesor de pared para SCH 40 :** 2.77 mm

**Diámetro externo:** 21.34 mm

**Diámetro nominal:** 1/2"

**Espesor:** SCH 40

**Largo:** 6 m

**Presión de ruptura:** 1298 Kg/cm<sup>2</sup> - 18470 PSI

**Presión Interna de trabajo:** 324 Kg/cm<sup>2</sup> - 4610 PSI

**Tipo:** AISI 304

**Norma de Fabricación:** ASTM A-312

**Acabado:** Mill Finish

**Peso:** 5.495 Kg/m

**Procedencia:** Importado

|                       |  |  |  |                             |        |             |             |
|-----------------------|--|--|--|-----------------------------|--------|-------------|-------------|
| EMPRESAS CARBONE S.A. |  |  |  | Certificate No. EN10204.3.1 |        |             |             |
| Product               |  |  |  | Stainless Steel             |        |             |             |
| Specification         |  |  |  | ASTMA312                    |        |             |             |
| Standard              |  |  |  | 304                         | Finish | Mill Finish | Protect PVC |

| Item No.      | Product Description               |              | Chemical Composition(%) |      |      |       |       |       |      |     |     |     |     |     |                  | Tensile Test   |            |                 |      |  |
|---------------|-----------------------------------|--------------|-------------------------|------|------|-------|-------|-------|------|-----|-----|-----|-----|-----|------------------|----------------|------------|-----------------|------|--|
|               | Dimensions                        | Quantity Pcs | C                       | Si   | Mn   | P     | S     | Cr    | Ni   | N   | Mo  | Cu  | Ti  | Fe  | Tensile Strength | Yield Strength | Elongation | Hardness (HV10) | TEST |  |
|               |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     | σb(MPa)          |                | %          |                 |      |  |
| Specification |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  | σb0.2          |            |                 |      |  |
| 1             | Tuberia s/c Sch 10 nominal 1/2"   | 30           | 0.041                   | 0.35 | 1.06 | 0.034 | 0.001 | 18.20 | 8.05 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 2             | Tuberia s/c Sch 10 nominal 3/4"   | 12           | 0.041                   | 0.35 | 1.06 | 0.034 | 0.001 | 18.20 | 8.05 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 3             | Tuberia s/c Sch 10 nominal 1"     | 30           | 0.041                   | 0.35 | 1.06 | 0.034 | 0.001 | 18.20 | 8.05 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 4             | Tuberia s/c Sch 10 nominal 1 1/2" | 20           | 0.041                   | 0.35 | 1.06 | 0.034 | 0.001 | 18.20 | 8.05 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 5             | Tuberia s/c Sch 10 nominal 6"     | 10           | 0.044                   | 0.34 | 1.08 | 0.033 | 0.001 | 18.25 | 8.04 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 6             | Tuberia s/c Sch 40 nominal 1/2"   | 20           | 0.041                   | 0.30 | 1.39 | 0.030 | 0.003 | 18.29 | 8.06 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 7             | Tuberia s/c Sch 40 nominal 1 1/2" | 20           | 0.041                   | 0.35 | 1.06 | 0.034 | 0.001 | 18.20 | 8.05 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 8             | Tuberia s/c Sch 40 nominal 6"     | 2            | 0.044                   | 0.34 | 1.08 | 0.033 | 0.001 | 18.25 | 8.04 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 9             | Tuberia s/c Sch 40 nominal 3"     | 8            | 0.022                   | 0.36 | 0.84 | 0.031 | 0.003 | 18.21 | 8.05 | --- | --- | --- | --- | --- | 534              | 223            | 43         | 172             | GOOD |  |
| 10            | Tuberia s/c Sch 40 nominal 1 1/4" | 60           | 0.041                   | 0.3  | 1.39 | 0.03  | 0.003 | 18.29 | 8.06 | --- | --- | --- | --- | --- | 528              | 226            | 46         | 177             | GOOD |  |
| 11            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 12            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 13            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 14            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 15            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 16            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 17            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 18            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| 19            |                                   |              |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |
| TOTAL:        |                                   | 708          |                         |      |      |       |       |       |      |     |     |     |     |     |                  |                |            |                 |      |  |

Remark

Note

Visual Inspection(Surface) and Dimension Check : OK

|             |                                                                                                                                                                                                                                                                                |                                                                                                                                                           |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surveyor By | We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.<br>The material described above has been found free of radiation by raw material supplier. | 1.ISO 9001:2015 (No.01100056299)<br>2.PED/AD2000 (No.01202TWN/Q-050105)<br>3.ISO 14001:2004 (No.01104822096385)<br>4.OHSAS 18001:2007 (No.01113822096385) |
| N/A         |                                                                                                                                                                                                                                                                                |                                                                                                                                                           |