



Article: **003**
Product: **PE/Steel straight with weldable terminal**
Range: **20x1/2" – 630x24"**
PN/MOP: **10 bar**
Serie: **S5**
Application: 

Materials

Carbon steel tubing according to SO 3183/API 5L covered on the outside in a triple layer of yellow HDPE in accordance with DIN30670.

Virgin high density polyethylene PE100 spigot, black.

NBR 70 Sh. A O-ring approved for gas and potable water (DVGW).

Test Materials**Standard****Requirement**

PE100, MFR 190°C / 5Kg.

EN ISO 1133

0,20 – 0,30 g/10 min.

PE100, OIT 210°C

EN ISO 11357-6

> 20min.

Steel, dimensional inspection

Macplast Regulation

Steel, check supplier certificate

Test Methods Finish Product**Standard****Requirement**

Aesthetic check – General appearance

EN 1555-3

PE side dimensional inspection

EN 1555-3

Metal side dimensional inspection

EN 10226-1

Check of marking

EN 1555-3

Resistance to hydrostatic pressure at 20°C

ISO 1167

100h – σ 12Mpa

Resistance to hydrostatic pressure at 80°C

ISO 1167

165h – σ 5,4Mpa

Hydrostatic pressure testing (initial)

ISO 1167

1000h/80°C – σ 5MPa

Pneumatic leak test

Macplast Regulation

0.5 – 10bar

Intact state of the coating

UNI 9736

$\geq$ 10 kV

Tensile strength (certification)

UNI 9736 / EN 12266-1

Leak A quality

Bending strength (certification)

EN 12266-1

No cracks or fractures

Overpressure leak test (certification)

EN 12266-1

No leaks

Product certifications

EN 1555-3 (KIWA Italia n. KIP-095784)

EN ISO 15494 (KIWA Italia n. KIP-095785)

DVGW G 5600-1 (n. DW-7521CR0259)

Watermark AS/NZS 4129 (n. WM 74644)

System certifications

ISO 9001:2015 (Bureau Veritas n. IT211213)

ISO 14001:2015 (Bureau Veritas n. IT214657)