

**MACPLAST****Certificate
2.2**

Article: **008**
Product: **PE/Brass female threaded adaptor**
Range: **20x1/2" – 125x4"**
PN/MOP: **16bar / 5 bar**
Serie: **SDR11 / S5**

Application:

**GAS application up to d63x2".****Materials**

CW612N brass metal body according to UNI EN 12168.
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.
Brass, dimensional inspection	Macplast Regulation	---
Brass, check supplier certificate	---	---

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

Aesthetic check – General appearance	EN 1555-3 / EN 12201-3	---
PE side dimensional inspection	EN 1555-3 / EN 12201-3	---
Metal side dimensional inspection	EN 10226-1	---
Check of marking	EN 1555-3 / EN 12201-3	---
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
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 12201-3 DM174 (KIWA Italia n. KIP-095789)
EN ISO 15494 (KIWA Italia n. KIP095785)
DVGW G 5600-1 (n. DW-7521CR0172)
DVGW GW 335-B4 (n. DW-7511CR0155)
A.C.S. C.M. 25/11/02 DGS/SD7A n.571
PZH POLAND HH/W/0553/01/20123

System certifications

ISO 9001:2015 (Bureau Veritas n. IT211213)
ISO 14001:2015 (Bureau Veritas n. IT214657)

All technical documentation and certifications related to product is available on our website.