



Declaration of Conformity



Product name: WhiteShield and TwinShield

Material: copper pipe EN 12735-1

Insulation: closed cells expanded polyethylene + low density polyethylene film

Product Codes of the insulation : polyolefin products

Chemical family: polyolefin thermoplastics

Manufacturer : DM EURO Srl and PDM US LLC



DM EURO S.R.L. Sede legale: VIA R. F. KENNEDY 3/C-70124 BARI (BA) Italy Codice Fiscale/P.IVA: 07948770727

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Composition information on ingredients (Insulation)

Polyethylene	CAS 9002-88-4	85% - 100%
Other proprietary additives	N/A	0 - 15%

HAZARDOUS INGREDIENT		EXPOSURE LIMITS Wt %
Isobutane	CAS 0075-28-5	800 ppm TWA (ACGIH)

Insulation

Product is made according to EN 14313:2009+A1:2013 , type I (tubular), grade I (insulation material use for use on typical commercial system non-cross-linked).

Low-density polyethylene foam:

- closed cells foam, CFC and HCFC gas free

Reaction to fire:

- Class BI-s1 , d0

Water absorption:

- WS 005





Maximum service temperature:

- ST (+) 110

Wall thickness:

- from 7 to 10mm

Water vapour diffusion resistance: according to 14313:2009

- $\rho \geq 15.000$

Surface burning characteristics: according Class BL –s1 , d0 certified insulation

- flame and Spread Index less than 25 and
- Smoke Development Index less than 50.

Thermal Conductivity:

- 0,038 W/mk (at 40°)





Copper:

copper according **EN 12735-1** suitable for gases R410, R407, R32 and R134a.

Modugno, January 2, 2024



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