

**FRIGOCOPPER®**

INSULATED COPPER PIPE  
REFRIGERATION

### TECHNICAL SPECIFICATIONS

#### POLYETHYLENE FOAM INSULATION

*The polyethylene foam assures thermal insulation from surroundings.*

**LOW DENSITY POLYETHYLENE FOAM:** closed cells foam, CFC and HCFC gases free, according to CEE/UE 2037/2000.

**THERMAL CONDUCTIVITY:** at 40°C:  $\lambda = 0,038 \text{ W/(mK)}$ , as per ISO 8497.

**MOISTURE DIFFUSION COEFFICIENT:**  $\mu = 6.100$  according to EN 13469 ( $\mu = 19.700$  if required).

**AVERAGE BULK DENSITY:**  $30 \text{ kg/m}^3$

**SURFACE COVERING:** grants repair from scraping damages.

**COLOUR:** GREY

**THICKNESS:** according to UNI 10376, suitable to avoid dripping in standard working conditions (fluid temperature inside 7°C, room temperature 27°C, relative humidity lower or equal than 50%).

**FIRE RESISTANCE:** self-extinguish class 1, according to DM 26/06/1984 up-dated DM 03/09/2001.

**MARKING:** insulation is progressively marked every meter.

**APPLICATION:** refrigerating systems, multifunction systems.



#### COPPER PIPE

*Copper pipe assures the highest benefits in terms of hygiene and mechanical performances.*

*Plastic caps maintain the inner pipe surface dry and clean.*

**STANDARDS:** EN 12735-1, ASTM B280.  
Suitable for R407 and R410 gases.

**MATERIAL:** C12200 Cu-DHP copper alloy, phosphorous deoxidized, annealed copper pipes.

**CHEMICAL COMPOSITION:** Cu  $\geq 99,90\%$ , maximum allowable phosphorous content 0,015-0,04%.

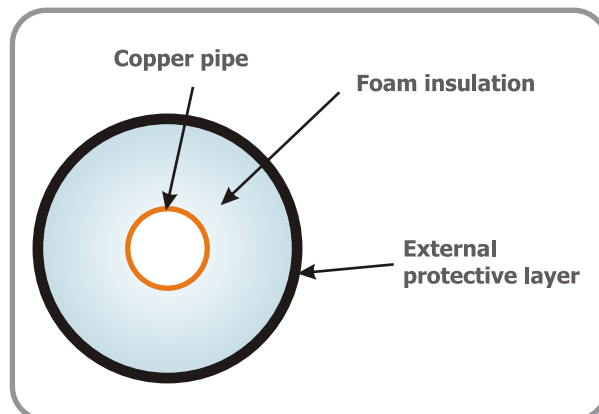
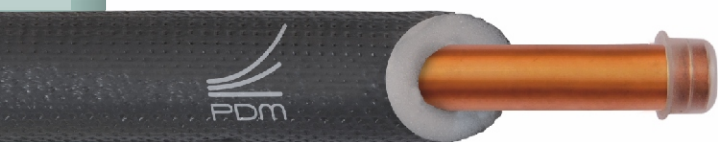


REFRIGERATION



### PRODUCT TABLE

INSULATION							
Minimum tickness	in	0,39	0,39	0,39	0,39	0,39	0,39
	mm	10	10	10	10	10	10
COPPER PIPE							
Outside diameter	in	0,39	0,47	0,55	0,63	0,71	0,87
	mm	10	12	14	16	18	22
Wall tickness	in	0,039	0,039	0,039	0,039	0,039	0,039
	mm	1,0	1,0	1,0	1,0	1,0	1,0
Working pressure ASTM B 111M	bar	110	90	80	70	60	50
	MPa	11,0	9,0	8,0	7,0	6,0	5,0
COIL LENGTH AVAILABILITY							
Feet		164	164	164	164	164	82
Meters		50	50	50	50	50	25



FRIGOCOPPER® is insured by "REALE MUTUA ASSICURAZIONI" against manufacturing defects.

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