
**THERMOCOPPER®**

 PREINSULATED COPPER PIPE  
HEATING

## 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 mechanical damages.

**COLOUR:** BLUE, GREEN

**WORKING CONDITIONS:** inner fluid minimum temperature 7°C; external maximum temperature 27°C; external maximum relative humidity: 50%.

**THICKNESS:** according to law 10/91 relative DPR 412/93 (tab.1 add.B) in condition of water temperature 40°C and pipe layout inside not facing outdoor nor cold rooms structures. *For different applications please refer to product table or contact directly the company.*

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

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



### COPPER PIPE

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

**STANDARDS:** European standard UNI EN 1057 and DPR 1095/68 for drinking water supply.

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

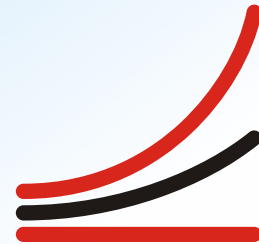
**CHEMICAL COMPOSITION:**  $\text{Cu} \geq 99,90\%$ , maximum allowable phosphorous content 0,015-0,04%.



HEATING



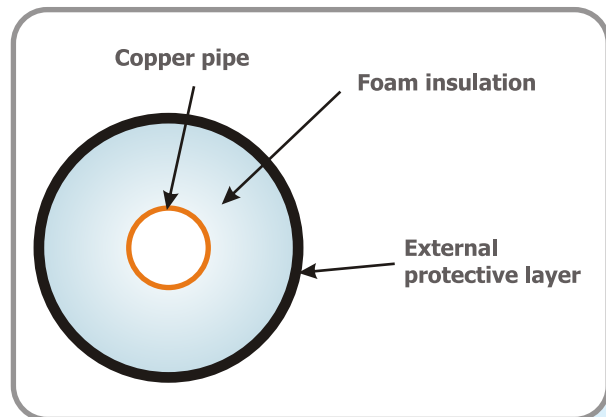
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**PDM**  
PREINSULATED PIPES

### PRODUCT TABLE

External nominal diameter	Wall thickness	Working pressure		Volume	Minimum thickness	Coil lenght
		bar	MPa			
mm	mm	bar	MPa	(l/m)	mm	m
10	0,7	75	7,5	0,0664	6	50
	1,0	110	11,0	0,0502		
12	0,7	65	6,5	0,0882	6	50
	0,8	70	7,0	0,0849		
	1,0	90	9,0	0,0785		
14	0,7	55	5,5	0,124	6	50
	0,8	60	6,0	0,120		
	1,0	80	8,0	0,113		
15	0,7	50	5,0	0,145	6	50
	0,8	55	5,5	0,141		
	1,0	70	7,0	0,132		
16	0,7	45	4,5	0,167	6	50
	1,0	70	7,0	0,153		
18	0,7	40	4,0	0,216	6	50
	1,0	60	6,0	0,201		
22	0,7	35	3,5	0,333	9	25
	0,8	40	4,0	0,326		
	1,0	50	5,0	0,314		



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

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