



DATA-SHEET PEX PIPE "WINNY-PEX®"

General informations

PEX pipe "WINNY-PEX®" is manufactured with Polyethylene (PE) cross-linked with high density, according to the Patent of *Dow Corning International LTD* (Pat. USA 3.075.948).

Its manufacturing and production control are managed according to the European Standard EN ISO 15875-2 "**Plastic piping systems for hot and cold water installations**", and to the German ones DIN 55453 and DIN 16892.

The cross-linking process is chemical, and it's got by means of silane cross-linking agents, so that the PEX belongs to type **PEX-b**.

PEX pipe WINNY-PEX® is manufactured in the following colors: natural opaque white or black (colored and stabilized against the action of U.V. rays with Carbon Black).

Area of employment

PEX pipe WINNY-PEX® is suitable to be used in the following examples of applications:

- Hot and cold water conveyance inside sanitary installations
- Hot and cold water and other fluids conveyance inside heating systems, for both types with heating bodies or radiant panels
- Hot and cold water and other fluids conveyance inside industrial systems
- Conveyance of hot and cold food liquids

Technical characteristics

- Material: Cross-linked polyethylene PEX-b
- Complying with D.M.174 dated 06/04/2004 for use with water intended for human consumption
- Pipes internal surfaces smooth, clean and without holes
- Opacity according to EN ISO 15875-2 and to EN578 (pipes shall not transmit more than 0.2% of visible light)
- "Thermal memory" that let the pipe come back to its original shape after the pipe has been heated up to its softening temperature (120°C)
- Max operating temperature: 95°C
- Pressure class:
 - PN10 (thickness up to and comprising 2.0mm)
 - PN16 (thickness over 2.0mm)
- Max operating pressure:
 - 20bar at 20°C
 - 10bar at 95°C
- Marking: NTM SPA WINNY-PEX-VPE-HDX-MADE IN ITALY-DIN55459/16892-ØPIPExTHICKNESS-PN-20°C/20BAR-95°C/10BAR

Controls

- Controls performed on each batch
- Dimensional controls on 100% of production during process
- Internal pressure test: complying with EN ISO 15875-2 and EN921
- Thermal stability test under pressure: complying with EN ISO 15875-2 and EN921
- Thermal cycle test complying with EN ISO 15875-2 and EN 12293
- Quality final test on each coils

Brandico, 09/02/2012

General managing

Technical managing