

# Emmeti PE-Xa

EMMETI



UNI EN ISO 15875-2



Size	Mts. Pack	Code
17 x 2	240	28130674

Pipe in high-density polyethylene with peroxide crosslinking, certified according to standards **UNI EN 15875/2** and provided with an oxygen barrier in conformity with standard **DIN 4726**.

### Technical data

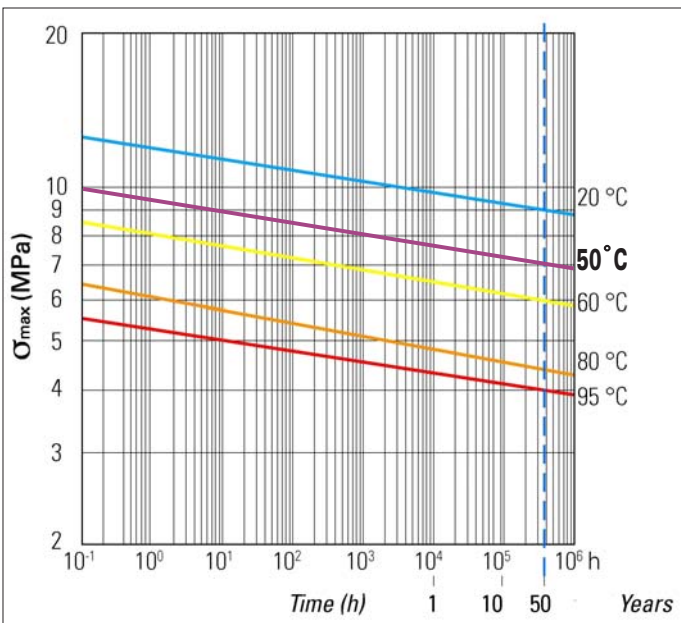
Operating pressure: 1000kPa, 10bar  
 Oxygen permeability: <math><0.1 \text{ g/m}^3 \text{ 24h}</math>  
 Density: 0.95 gr/m<sup>3</sup>  
 Range of use: -100/ +110 °C  
 Softening temperature: 135 °C  
 Breaking load: 18 MPa (18000kPa, 180bar)  
 Thermal conductivity: 0.41 W/mK  
 Average coefficient of linear expansion: 0.14mm/m °C  
 Minimum bending radius: 5 x D pipe  
 Internal roughness: 7 μm  
 Application: In floor or screed heating and cooling systems

### Reading example

Maximum pressure ( $\sigma_{max}$ ) for 50 years at a set temperature can be identified by intersecting the straight (vertical) relative at 50 years with straight relative temperature.  
 The pressure is calculated with:  

$$P_{max} \text{ (bar)} = 20 \times \sigma_{max} \text{ (MPa)} \times Sp \text{ (mm)} / D \text{ (mm)} - Sp \text{ (mm)}$$
 where:  
 Sp = pipe thickness (mm)  
 D = external pipe diameter (mm)

Based on our graph, life expectancy would achieve a minimum of 50 years at 60°C with a maximum working pressure of 10 bar, 1000kPa



Electric actuators for zoning 24 volt and 240 volt



Floorcoil headers



HYDROHEAT SUPPLIES PTY LTD  
 P.O. BOX 1045 / 6 Helen Kob Drive  
 Braeside, Victoria, 3195  
 Ph 03 9588 1299 Fax 03 9588 2199