

Description

High Density Polyethylene Cross-linked PE-Xc HD pipe, consisting of five layers, manufactured in compliance with EN ISO 15875. Max.

Temperature 90°C; working pressure 8 Bar; minimum bend radius 5xD; natural colour.



Applications

- Floor heating systems
- Sanitary Installations
- Radiator connection

Products

Code	Size
88P200GH60099	16x2
88P200BS20099	17x2
88P200BS40099	17x2
88P200BS60099	17x2

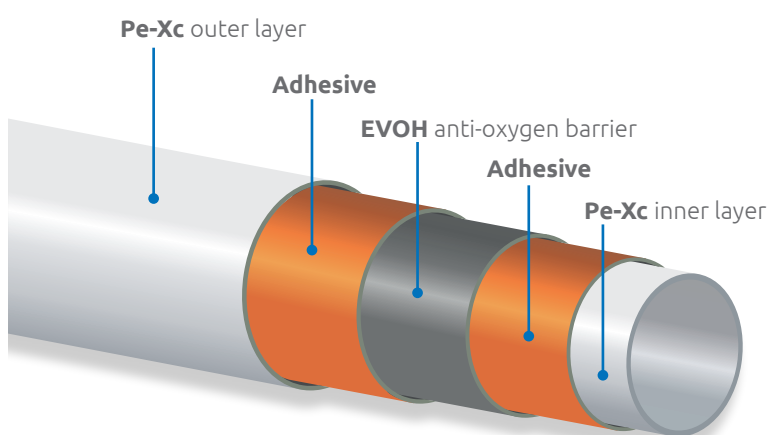
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Characteristics		Unit of measure	Value	Standard
Degree of cross-linking	23°C	%	≥ 60	DIN 16892
Density	23°C	g/m ³	= 0.94	DIN 16892 / DIN 53479
Tensile strength	23°C	N/mm ²	24 - 30	DIN EN ISO 6259-1
Tenacity	23°C	N/mm ²	24 - 26	DIN EN ISO 6259-1
Elongation at break	23°C	%	400 - 600	DIN EN ISO 6259-1
Elastic modulus	23°C	N/mm ²	600 - 800	DIN 16892 / DIN EN ISO 128
Stress crack resistance			no failure	ASTM D 1693
Moisture absorption		Mg (4d)	< 0.01	DIN EN ISO 62
Coefficient of linear expansion	0°C – 70°C	1/K	1.5 • 10 ⁻⁴	DIN 16892 / DIN 53752
Thermal conductivit		W/(K•m)	0.41	DIN 16892 / DIN 12664
Smallest bend radius	.	mm.	≥ 5 • D	DIN 4726
Oxygen tightness	40 °C	mg/(m ² •d)	≤ 0.32	DIN 4726
	80 °C	mg/(m ² •d)	≤ 3.6	DIN 4726

/ Volume of pipes in liters per meter

Size	Volume liters/meter
16x2	0,113
17x2	0,133

/ Layers



/ Quality control

All the polyethylene Cross-linked PE-Xc HD pipe production is subjected to continuous quality controls that allow to ensure product manufacturing in compliance with current standards. The main controls concern the following characteristics:

- **Dimensional** (external, internal diameter, thickness): during production and on the finished product according to the EN ISO 3126 standard.
- **Crosslinking degree** according to Uni EN ISO 15875-2 standard
- **Anti-oxygen barrier EVOH** according to DIN 4726 standard

/ Warnings

Store the pipe in its original packaging avoiding exposure to solar radiation, which could compromise the quality of the pipe. Avoid contact / impact with blunt materials that could damage the pipe, both during transport and during construction. The minimum degree of curvature during installation must not be less than 5 times the external diameter of the pipe. Do not use chemical solvents or similar when installing the pipe.