



Izoterm ASTRAFLEX –PE TUBES

Expanded polyethylene tube profile insulation

Description

The insulation tube is made of expanded polyethylene. Above all it is meant for professional pipe-fitters and insulation workers. The wall is at one side cut to 1/3 of the thickness, what enables easier, faster and more certain assembly. Standard tube length is 2m. It is packed in cardboard boxes.

Technical data

Characteristic	Test method	Units (SI)	Values
Internal diameter	ISO 1923	mm	12 - 114
Wall thickness	ISO 1923	mm	9 - 20
Density tolerance	ISO 845	kg/m ³	35 ± 5
Temperature range	Internal	°C	Up to 95°C
Thermal stability	ISO 2796 (24h)	%	-30°C: -0,1% +90°C: -3,7%
Tensile strength	ISO 1798	N/mm ²	0,35 ± 0,2
Elongation when torn	ISO 1798	%	49,8 ± 5,4
Pressure characteristics	ISO 3386-1	N/mm ²	Def. 10% - 0,01 Def. 25% - 0,03 Def. 50% - 0,08
Steam-permeability	ISO 1663	μ	> 5000
Water absorption in 7 days	ISO 2896	vol. %	< 2
Heat conductivity by 10°C (λ _R)	DIN 52613	W/mK	0,037
Inflammability	DIN 4102	Standard variable	B1
Corrosion influence	Internal	Standard variable	Insulation protects pipes from corrosion
Color	Appearance	standard variable	On demand
Material group	Appearance	-	Non cross-linked PE
Cell structure	Appearance	-	Closed cell structure
Dimension tolerance	ISO 845	Mm	See tolerance lists
Density tolerance	ISO 845	kg/m ³	20 - 30
Temperature conditions	Internal	°C	-40 - +80
Water absorption in 7 days	ISO 2896	vol. %	< 2
Fire behavior	FMVSS 320	-	compliant
Color	Appearance	-	Grey



The product is 100% CFC and HCFC free.

The information stated in this TDS is based on actual knowledge and it does not guarantee product's characteristics or engages our liability.

The product is labeled with CE certificate according to EN 14313