PE FOAM

The insulated pipe is made of polyethylene (PE) foam, complying with EN ISO 14313 regulations. This foam provides excellent protection and exceptional resistance against abrasion. In addition, it is light, flexible, and has a high thermal insulation capacity, which makes it ideal for various applications. **It is compatible with PE-Xa, PE-Xa EVOH, PE-Xb, PE-Xb EVOH, PE-RT, PE-RT EVOH, multilayer PE-Xb/AL/PE- Xb, and PE-RT/AL/PE-RT pipes, and corrugated pipes (pipe in pipe)**, guaranteeing efficient and durable installation in all types of piping systems.

Foam thickness available in 6mm and 10mm
other seizes on request

Technical Datasheet PE foam

Material	Polyethylene foam (PE)
Density	30 kg/m³
Working temperature range	From -45 °C to 105 °C
Fire reaction (EN 13501:2009)	BL-s1, d0
Steam permeability (UNI EN 13469:2004)	μ > 5000
Thermal conductivity coefficient @40 °C (EN 12667:2001)	λ=0.039 W/m*K
Thermal conductivity coefficient @10 °C (EN 12667:2001)	λ=0.035 W/m*K
Thermal conductivity coefficient @0 °C (EN 12667:2001)	λ=0.034 W/m*K

Pipe diameters	Recommended foam thickness
From 8 to 20 mm	6 mm
From 25 mm	10 mm

Standards

EN ISO 14313

Colours

- Red (hot)
- Blue (cold)

Applications

- Underfloorheating and heating
- Cooling systems
- Hot and cold water distribution
- Industrial facilities
- Snow and ice removal systems on surfaces Surface
- heating / cooling (floor, wall and ceiling)

pipexpert GmbH
Amonshöhe 21 · 97437 Haßfurt, Germany · Tel. +49 (0) 172 829 18 84 · info@pipexpert.de · www.pipexpert.de
Geschäftsführer: Michael Pfister, Michael Walter · Amtsgericht Bamberg · HRB 12493 · USt-IdNr. DE461696082