

## Emmeti PE-RT 5 Layer Barrier Pipe



16 x 2.0mm five layer barrier pipe constructed of polyethylene of raised temperature (PE-RT) inner and outer layers and an EVOH middle layer. For Heating applications only. Maximum operating temperature 95°C. Maximum operating pressure 8 bar

### Benefits:

- **Lightweight, flexible, easy to bend and secure into place for easy installation**
- **PE-RT pipe has an inner and outer layer of PE-RT (Polyethylene of Raised Temperature) and an EVOH (Ethylene Vinyl-Alcohol Resin) middle layer. The EVOH layer prevents oxygen penetration in a heating system which reduces corrosion within the system thus reducing premature failure of system components**
- **Available in sizes:  
√ 16mm x 2mm – 100m / 240m / 500m**
- **A wide range of complementary accessories to ensure trouble-free fitting, including monoblocco pipe connectors, floor insulation, mounting rail, pipe staples, tacker guns and bend supports**

Technical Specification	
<b>General</b>	
Pipe range nominal dimensions	16mm x 2mm
Colour	Natural
Coil sizes	100m, 240m, 500m
Application Class	Pressure / Temperature
1	8 bar / 60°C
2	8 bar / 80°C
4	4 bar / 70°C
5	4 bar / 95°C
Maximum working temperature	95°C
Maximum operating pressure	8 bar
Construction	5 layer: PE-RT – Adhesive – EVOH – Adhesive – PE-RT
<b>Mechanical Properties</b>	
Pipe roughness	0.007mm
Bending radius	5 x D = 80mm
Water capacity	16mm x 2mm pipe: 16mm - 0.113 l/m
<b>Thermal Properties</b>	
Thermal conductivity	0.4W/mK
Thermal expansion coefficient	1.8 X 10 <sup>-4</sup> m/m °C
Linear Coefficient	0.026 mm/mmK
<b>Standards</b>	
Manufacturing	ISO 22391 Application class 4/5
Quality assurances	ISO 9001: 2015

Stock Code	Product Name	Size (mm)	Coils
U9530066	Emmeti PE-RT 5 Layer Barrier Pipe	16 x 2	100
U9530067	Emmeti PE-RT 5 Layer Barrier Pipe	16 x 2	240
U9530068	Emmeti PE-RT 5 Layer Barrier Pipe	16 x 2	500