

MAGNUM Tube underfloor heating pipe is made of PE-RT Type I and represents Polyethylene Raised Temperature. As a result, this tube is also suitable for high temperatures.

PE-RT type I is strong and yet flexible. It is copolymer of ethylene with a unique molecular structure, based on a controlled side chain distribution. As a result, it shows superior performance in the areas of stress fracture and resistance to hydrostatic pressure, without crosslinking. This makes the MAGNUM Tube recyclable.

This PE-RT Type I is optimally stabilized for aging, so the MAGNUM Tube has a calculated life of at least 50 years under normal conditions. The PE-RT Type I MAGNUM Tube is specially designed for use in hot and cold water systems, floor and wall heating / cooling and ceiling cooling.

The applied PE-RT Type I material for over 20 years a leader in tube applications where a wide temperature range is required.

The MAGNUM tube can be used in a temperature range of 5°C to 80°C. Short-term peak load to 95°C at a maximum of 6 bar internal hydrostatic pressure can be withstood without problems.

Density	0,933 g/cm ³ (ASTM D-792)
Linear expansion coefficient, 20°C-70°C	0,19 mm/mK (DIN 53752 A)
Thermal conductivity at 60°C	0,4 Watt/mK (DIN 52612-1)
Softening Point (Vicat)	122°C (ASTM D-1525)
Maximum elongation at break	> 800% (ISO 527-2)
Bending radius	5 x Diameter
Oxygen Density	EVOH Layer (DIN 4726)

Equipped with KOMO, MPA and SKZ certification warranty.

Part.no.	Description	Length
W10080	PE-RT 10 x 1,3	80 m
W10240	PE-RT 10 x 1,3	240 m
W14100	PE-RT 14 x 2	100 m
W14120	PE-RT 14 x 2	120 m
W14240	PE-RT 14 x 2	240 m
W14600	PE-RT 14 x 2	600 m
W16090	PE-RT 16 x 2	90 m
W16120	PE-RT 16 x 2	120 m
W16420	PE-RT 16 x 2	420 m
W16600	PE-RT 16 x 2	600 m
W18120	PE-RT 18 x 2	120 m
W18420	PE-RT 18 x 2	420 m
W18500	PE-RT 18 x 2	500 m
W20120	PE-RT 20 x 2	120 m
W20240	PE-RT 20 x 2	240 m
W20500	PE-RT 20 x 2	500 m



