

GEROtec ANERGIE Type1

Positioned for the future:
Working together for the energy transition

Energy networks, also called cold district heating networks, are a highly efficient solution for supplying residential and commercial areas as well as public buildings. Thanks to the intelligent and integrative use of all possible energy sources and the storage possibility of the underground, this type of heating and cooling supply is an indispensable contribution to the economic and ecological supply of buildings.

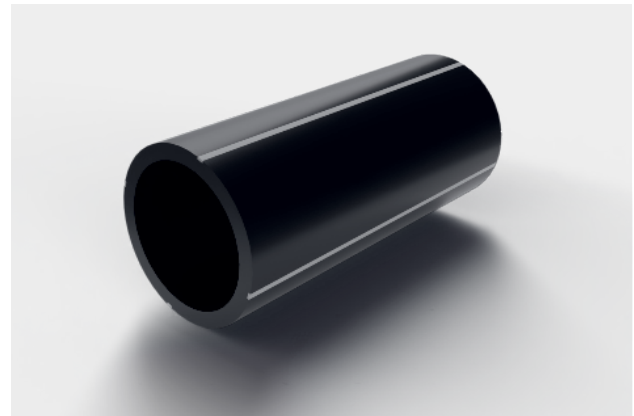
GEROtec ANERGIE
System solution

Conventional pipelines made of plastic are subject to increased point loads from stones, shards and other compact materials when no sand bedding is used. As a result, stress concentrations act directly on the pipe and cause slow crack growth. Pipes made of PE 100-RC do not have these problems. Thanks to the use of innovative PE 100-RC materials, they are resistant to point loads. They therefore form the basis for our Type1 energy series.

Forward



Return



- Single-layer pressure pipe made of PE 100-RC
- black with red or silver-grey stripes
- according to DIN EN ISO 15494
- Type 1 according to PAS 1075 with highest resistance to slow crack growth

Dimensions

Dimension [mm]	SDR	100 m	12 m
40 x 3,7	11	•	•
50 x 4,6	11	•	•
90 x 8,2	11	•	•
110 x 10,0	11		•
160 x 9,5	17		•
225 x 13,4	17		•
315 x 18,7	17		•
355 x 21,1	17		•

Other dimensions and SDR classes on request.

Pipeline connections by means of

- Electrofusion welding
- Butt welding

Installation

- with sand bedding
- without sand bedding
- low-trench installation such as plowing or milling

Special features

- optimized heat absorption and dissipation
- highly flow-efficient liquid transport
- assured long-term temperature resistance

Shipping

- Bars of 12m; further dimensions on request
- Coil bundles of 100m; further dimensions on request
- Coils DN/OD 25 to DN/OD 180 mm; others on request



point load resistant



scratch & score resistant



GEROtec ANERGIE Type 3

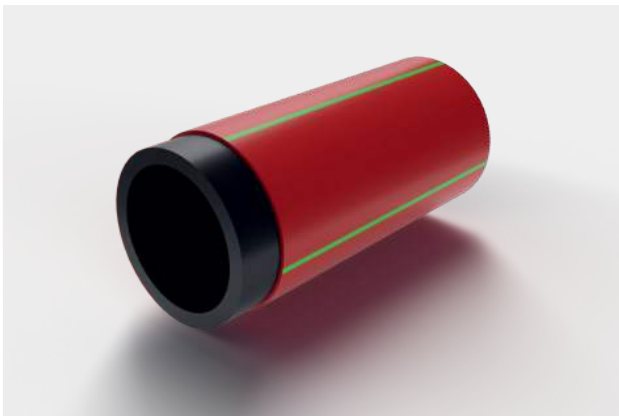
Positioned for the future:
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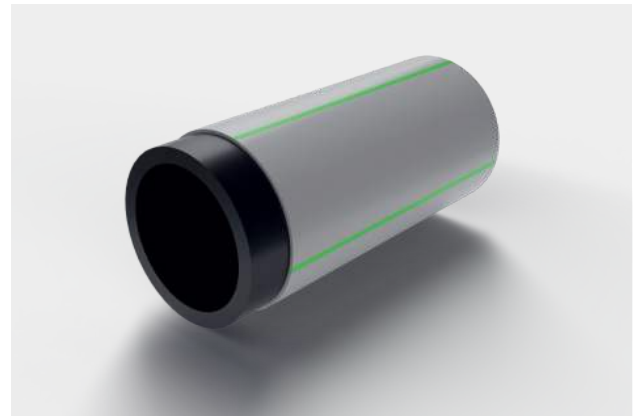
GEROtec ANERGIE
System solution

Modern installation methods provide significantly greater stresses on the pipes to be installed. Pipe damage is often not detectable. Impermissibly deep notches or grooves significantly reduce the life expectancy of conventional pipes. In this system, the media pipe is equipped with an additional, additive protective jacket that safely protects the core pipe from damage. GEROtec ANERGIE Type 3 - the ideal solution for installation methods with damage potential.

Forward



Return



- Pressure pipe made of PE 100-RC (DIN EN 15494)
- Core pipe in black, protective jacket in red or silver-grey with green stripes
- Type 3 according to PAS 1075 with highest resistance against slow crack growth and additive protective jacket made of modified polyolefin compound

Dimensions

Dimension [mm]	SDR	100 m	12 m
40 x 3,7	11	•	•
50 x 4,6	11	•	•
90 x 8,2	11	•	•
110 x 10,0	11		•
160 x 9,5	17		•
225 x 13,4	17		•
315 x 18,7	17		•
355 x 21,1	17		•

Other dimensions and SDR classes on request.

Pipeline connections established by

- Electrofusion welding
- Butt welding
- Verification of suitability for butt welding without cut-back of protective jacket

Shipping

- Bars of 12m; further dimensions on request
- Coil bundles of 100m; further dimensions on request
- Coils DN/OD 25 to DN/OD 180 mm; others on request

Special features

- optimized heat absorption and dissipation
- highly flow-efficient liquid transport
- assured long-term temperature resistance
- optionally with certified diffusion barrier layer

Installation

- with sand bedding
- without sand bedding
- low-trench installation such as plowing or milling
- trenchless installation, e.g. HDD or burst lining



point load resistant



scratch & score resistant

