



Technical data sheet

GEROthem®

Injection pipe

GEROtherm® – Injection pipe

Material	Polyethylene (PE-HD)
Size	25 x 2.3 mm in lengths of 52 – 322 m (with red stripes) 32 x 3.0 mm in lengths of 102 – 412 m (with grey stripes)
Application	For injecting the grouting suspension from boreholes of geothermal probesde 50 - 410m
Delivery form	Lengths of 52 – 412 m in rolls on a pallet covered with protective film
marking	{GEROtherm} {Injektionsrohr} {dn* ¹ x en* ² } {HDPE} {Part No.} {Machine No.} {Date} {Production No.} {Double metering}
Physical properties	
Density	0.95 – 0.97 g / cm ³
Pipe roughness	0.03 mm
Minimum bending radius at 0°C	50 x dn
Minimum bending radius at 10°C	35 x dn
Minimum bending radius at 20°C	20 x dn
Mechanical properties	
Pressure	
Pressure load	The injection pipe withstands injections pressure up to 32 bar @ 20°C for a short time
Hardness	
Shore hardness (Shore D (3 sec))	63
Thermal properties	
Maximum temperature	+ 40°C
Minimum temperature	- 20°C

Subject to change, 25.03.2020

*1 dn = outside pipe diameter

*2 en = pipe wall thickness