COLLECTOR
TECHNICAL DATA SHEET

PE100-RC Ø32 Ø40 Ø45 Ø50 Ø63
SDR17 – SDR13,6 – SDR11

Probe design	The U-bend is well protected with a protection cap, ensuring its durability. The U-bend solution is designed to accommodate additional weights, facilitating an easier installation process..
Installation and operation	The collector is delivered with the desired length and adapted to be easily installed with associated installation products, e.g. collector reel, collector feeder.
Delivery form	The collectors are stacked well on wooden pallets for a seamless transport and effortless installation. Desired length could be ordered with 10-meter intervals.
Material	Polyethylene PE100-RC (RC=resistance to cracking)
Dimension & pressure class	Ø32, Ø40, Ø45, Ø50, Ø63 PN10 SDR17, PN12.5 SDR13.6, PN16 SDR11
Standard	Our products have obtained certifications from Insta-cert, P-marking, and SKZ, tailoring to the specific requirements of the local market. DIN EN 12201-2, SKZ HR3.26:A874/A760, RISE SPCR 169

Physical properties	**Guideline values**
Density	0.95–0.97 g/cm3
Pipe roughness	0.03 mm
Minimum bending radius at 0°C	50 × dn
Minimum bending radius at 10°C	35 × dn
Minimum bending radius at 20°C	20 × dn
Mechanical properties	
Tensile modulus of elasticity (23°C, v = 1 mm/min, secant)	1100 MPa
Yield stress (23°C, v = 50 mm/min)	24 MPa
Tensile deformation (23°C, v = 50 mm/min)	9%
FNCT (4.0 MPa, 2% Arkopal N100, 80°C)	> 1 year
Point Loading Test	> 1 year
Failure strain	>/= 350%
Mean thermal coefficient of linear thermal expansion	0.18 mm/m K
Hardness	
Shore hardness (Shore D (3 sec))	62
Thermal properties	
Thermal conductivity	~0.4 W/mK
Specific thermal capacity	1.9 J/g K
Maximum temperature	+40°C
Minimum temperature	- 20°C
When using permanent operating temperature higher than +20 °C to +40 °C.	
Pressure reduction factor:	+20 °C: 1,0, +30 °C: 0,87, +40 °C: 0,74

MuoviTech®

MuoviTech AB, Tvinnargatan 11, 507 30 Brämhult, Sweden
TEL +46 (0)33 22 85 85 **EMAIL** info@muovitech.com **WEB** www.muovitech.com