

# RIBBED LPE PIPES

The pipes are manufactured from linear PE raw material through extrusion and special post-production treatment.

**Fields of application:**

- construction of rainfall and sewage canals
- land melioration
- draining in construction works

Ribbed LPE pipes can only be applied for constructing underground canals.

**Standards, certificates:**

- PARTIUM'70 VSZ 02-05
- VSZ 03-05
- KHVM-431, KHVM-432 licences for application in waterworks

**Make-up:**

Ribbed LPE pipes are manufactured in two major types:

- single-walled, ribbed LPE pipes:
  - perforated
  - non-perforated
- double walled, inside smooth, outside ribbed LPE pipes

The ribbed LPE pipes are black.

**Technical characteristics of application:**

Utilisation characteristics vary depending on the make-up.

- single-walled, ribbed LPE pipes:
  - high flexibility, resilience
  - rigidity, resilience of the ribs
  - light weight, easy construction
  - excellent weather resistance, canals can be constructed even at below-zero °C, shockproof
  - resistance against aggressive groundwater, micro-organisms
  - easy to work with and weld
- double-walled ribbed LPE pipes:
  - due to the double wall they cannot be bended (are produced only in lengths according to the customers' requests)
  - the double wall ensures high stiffness, the smooth inner wall provides low flow resistance
  - other specifications are the same as for the single-walled pipes.

Double-walled LPE pipes can be installed with fittings and rubber insulation produced by our company.

**Transportation, storage:**

The pipes can be stored in the open air without any restriction up to 18 months. Longer periods of storage require protection against direct sunshine (e.g. black plastic film cover).

D (mm)	d (mm)	A (mm)	v (mm)	m (kg/m)	Coil length (m)	D (mm)	d (mm)	A (mm)	v (mm)	S (mm)	m (kg/m)
80*	65	15.3	0.6	0.32	100	160	136	19.5	0.6	1.3	1.3
160*	138	19.5	0.6	0.9	50	235	200	25	1.3	1.5	3.2
350	302	33.8	1.7	3.47	-	350	300	33.8	1.7	2.0	6.3

\*manufactured both with and without perforation.

