

PescaPex Pipe- working pressures and dimensions

Allowable working pressures 6 [bar]

with a safety factor C = 1.25

Class 10		Class 12		Class 15	
O.D. (mm)	Wall th. (mm)	O.D. (mm)	Wall th. (mm)	O.D. (mm)	Wall th. (mm)
				32	2.9
				40	3.7
				50	4.6
63	3.9	63	4.7	63	5.8
75	4.7	75	5.6	75	6.8
90	5.6	90	6.7	90	8.2

Test in salmon farm in Chile:

Pipes on platform

2.2.1 HDPE measurements (in mm)

- HDPE pipe 1 : 5.5; 5.4; 5.4 mm
- HDPE pipe 2 : 5.0; 4.8; 5.0 mm
- HDPE pipe 3 : 5.0; 5.2; 5.3 mm
- HDPE pipe 4 : 4.8; 5.0; 4.7 mm (bend)
- HDPE pipe 5 : 4.4; 4.8; 4.7 mm (bend)
- HDPE pipe 6 : 4.8; 4.8; 5.1 mm
- Average thickness : 4.98 mm
- Average wear : 5.6 – 4.98 = 0.62 mm

2.2.2 Pexgol measurements (in mm)

- Pexgol pipe 1 : 6.1; 6.0; 6.0 mm
- Pexgol pipe 2 : 6.1; 6.1; 6.1 mm
- Pexgol pipe 3 : 6.3; 6.3; 6.3 mm
- Pexgol pipe 4 : 6.3; 6.3; 6.4 mm
- Pexgol pipe 5 : 6.2; 6.3; 6.3 mm
- Average thickness : 6.22 mm
- Average wear : 0 mm

Pipe type: 90 mm diameter Class 10 pipes.

Feed flow: 800 kg per day (average) in a 30 minute periods.

During a 3 month trial period, there was no wear in the PescaPex pipes and 0,62 mm wear out was measured in the normal PE pipes. The pipes were placed at the same platform next to each other.