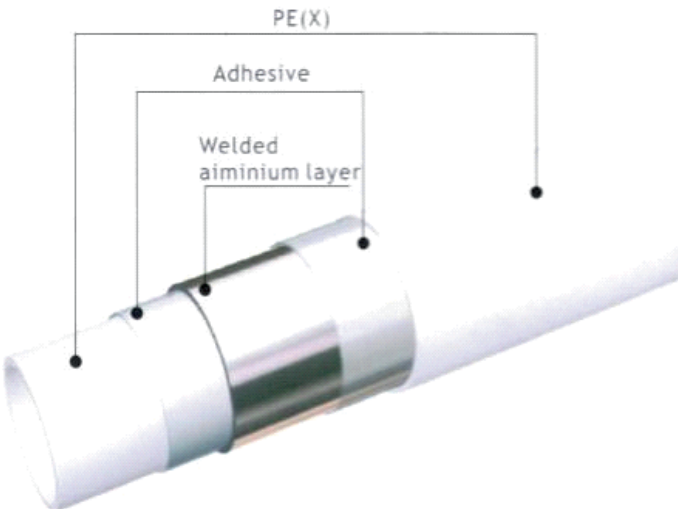


| structure | sizes (mm) | 1216 | 1418 | 1620 | 2025 | 2632 | 3240 | 4150 | 5163 |
|---|--|---------|---------|---------|--------|-------|-------|-------|-------|
|  <p>Example: 12-16 Outer diameter 16mm Inner diameter 12mm</p> | sizes (inch) | 1/2 | 9/16 | 5/8 | 3/4 | 1 | 11/4 | 11/2 | 2 |
| | outer diameter(mm) | 16 | 18 | 20 | 25 | 32 | 40 | 50 | 63 |
| | inner diameter(mm) | 12 | 14 | 16 | 20 | 26 | 32 | 41 | 51 |
| | max.working temperature(°C) | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| | max.working pressure(bar) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | thickness of aluminium (mm) | 0,25 | 0,30 | 0,30 | 0,35 | 0,50 | - | - | - |
| | min Pipe Ring strength (N) | 2400 | 2400 | 2600 | 2990 | 3320 | - | - | - |
| | min burst pressure (Mpa) | 8.0 | 8.0 | 7.0 | 6.0 | 5.5 | - | - | - |
| | weight(kg/m) | 0,110 | 0,130 | 0,147 | 0,229 | 0,355 | - | - | - |
| | coefficient of thermal conduction(W/m/K) | 0,43 | 0,43 | 0,43 | 0,43 | 0,43 | 0,43 | 0,43 | 0,43 |
| | linear expansion coefficient(mm/m/k) | 0,025 | 0,025 | 0,025 | 0,025 | 0,025 | 0,025 | 0,025 | 0,025 |
| | surface roughness of inner pipe(μ) | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | oxygen diffusion(mg/l) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | min degree of cross-linking(%) | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| | water volume(l/m) | 0,113 | 0,154 | 0,201 | 0,314 | 0,530 | 0,803 | 1,320 | 2,042 |
| | per coil or on request(m) | 100/200 | 100/200 | 100/200 | 50/100 | 50 | / | / | / |
| Per straight length(m) | 4/5/6 | 4/5/6 | 4/5/6 | 4/5/6 | 4/5/6 | 4/5/6 | 4/5/6 | 4/5/6 | |

The Multilayer pipe is composited by five-layers that combines the advantages of a metal and plastic pipe and eliminates the disadvantages of both materials at the same time. The aluminum core is absolutely diffusion tight;it reliably prevents oxygen/gases from permeating into pipe. It compensates and reduces snap-back forces and heat expansion with changes of temperature.