**Aqualife- pressure pipes of PE100**

1. **Raw** **material** **used** **to** **manufacture** **the** **product**: Used compound material should have the color of the pipes (pre-colored by the supplier of compound). Coloring during extrusion of the pipes is not allowed (see EDN12201-1).
2. **Production** **technology**: extrusion method
3. **Material:** PE100
4. **Color**: black with blue stripes (marking for water supply)
5. **Pipe** **profile**: single layer compact pipe of PE100
6. **Connection**: all applicable connecting methods
7. **Installation**: open trench and for alternative pipe installation (Open-Trench-Installation without Sand, ploughing, milling, long-pipe Relining, and horizontal Directional Drilling)
8. **Installation conditions:** no special requirements for materials surrounding the pipe. No sand bedding necessary. Backfill over the pipe with ballast material with maximum grains size of 70 mm for pipe’s diameter up to DN200 and maximum grains size of 100mm for pipe’s diameter from DN225 up to DN400.
9. **Diameter** **nominal** **DN**:DN/OD 32, DN/OD 40, DN/OD 50, DN/OD 63, DN/OD 75, DN/OD 90, DN/OD 110, DN/OD 125, DN/OD 160, DN/OD 225 DN/OD 250, DN/OD 280, DN/OD 315, DN/OD 355, DN/OD 400;
10. **Nominal** **pressure** **and** **Standard** **Dimension** **Ratio**:PN10 (SDR 17) and PN16 (SDR 11).
11. **Delivery:** with end caps.
12. **Software for hydraulic calculations:** available
13. **Standard**: EN 12201-2.
14. **Manufactured**: conformity with ISO 9001
15. **Service** **life**: at least 100 years, according to a study conducted by TEPPFA, alongside with raw material producers Borealis and LyondellBasell.