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**General information**

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# SYSTEM DESCRIPTION

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- Compressed air systems
- Agriculture and horticulture
- Industries, for example the transportation of aggressive media (acids, alkaline solutions, etc.), taking into account its resistance to chemical agents
- Heating installations
- Shipbuilding
- Further media and possible applications upon request.

ECOSAN is not suitable for:

- Industrial gases
- Flammable liquids and gases
- Coolants/refrigerants

## 1.2 ECOSAN Pipes

### 1.2.1 Overview

**ECOSAN**, the high-grade installation pipe made of polypropylene, **ECOSAN ML5** and **UV ML5**, the multilayer fibre-reinforced composite pipes, guarantee reliable, durable and flawless supply in installation systems.

Wall thickness, pipe material and temperature range are the factors that decide the level of the resistance of a plastic pipe system to pressure.

POLYMELT pipes are available in various wall thicknesses:

|            | SDR | Type              | Material | ECOSAN pipes |    |    |    |    |    |    |    |     |     |     |     |     |
|------------|-----|-------------------|----------|--------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
|            |     |                   |          | 20           | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 160 | 200 | 250 |
| ECOSAN     | 6   | Single Layer      | PP-R     |              |    |    |    |    |    |    |    |     |     |     |     |     |
| ECOSAN     | 7,4 | Single Layer      | PP-R     |              |    |    |    |    |    |    |    |     |     |     |     |     |
| ECOSAN     | 11  | Single Layer      | PP-R     |              |    |    |    |    |    |    |    |     |     |     |     |     |
| ECOSAN ML5 | 7,4 | Multi Layer fiber | PP-RCT   |              |    |    |    |    |    |    |    |     |     |     |     |     |
| ECOSAN ML5 | 9   | Multi Layer fiber | PP-RCT   |              |    |    |    |    |    |    |    |     |     |     |     |     |
| ECOSAN ML5 | 11  | Multi Layer fiber | PP-RCT   |              |    |    |    |    |    |    |    |     |     |     |     |     |
| UV ML5     | 7,4 | Multi Layer fiber | PP-R     |              |    |    |    |    |    |    |    |     |     |     |     |     |

Pipes 20 - 125 mm = socket welding

Pipes 160 - 250 mm = butt welding

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