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# Datasheet:

This technical specification applies to a sheet made of **polypropylene (PP)** or **polyethylene (PE)**, as well as their modified components. Lining sheet with anchoring ribs is used as protective coating:

- In storage facilities for household and industrial wastes
- In the course of arranging of sewage and rain pits
- In waterproofing of reinforced concrete structures for water supply and drainage systems;
- In the course of waterproofing of tunnels, underpasses, underground garages and storage facilities, substructure and utility communications structures and intermediate floors, fire-fighting facilities;
- For hydraulic engineering structures;
- For fuel and oil tanks to be installed as inner lining;
- In the course of arranging decorative water ponds and pools.
- For internal lining of tanks, galvanic baths, chemical reactors, as well as for arrangement of slides at pulping and chemical production facilities.

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# The sheet is available in the following sizes:

Sheet thickness — **1,8 — 5mm.**
Sheet width — **750mm.**
Anchoring ribs height — **14mm.**
Anchoring ribs pitch — **28mm.**
Sheet length — **at least 300mm.**

Machinery and manual welding is available.

**WATERPROOFING AND CONCRETE PROTECTION**

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# Indicators of physical And Mechanical Properties of CPL.

For products made of PE and its modifications.

## Physical and mechanical properties:

| INDEX | VALUE |
|---|---|
| Density, kg/m3 | 900 - 980 |
| Melt flow index, 190C/5.0 kg | 0.1 - 0.4 |
| Thermal conductivity at (25±5)°C, W/(mK) | 0.36 - 0.50 |
| Water absorption, %, maximum | 0.01 – 0.03 |
| Frost resistance, °C<br>minus 20<br>Elasticity coefficient, MPa, at least | 800 |
| Surface resistance, Ohm, at least | 1,013 |
| Tensile strain at break, % at least | 250 |
| Weld strength for welded shaped products, N, at least | 380 |

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# For products made of PP

## Physical and mechanical properties:

| INDEX | VALUE |
|---|---|
| Density, kg/m3 | 900 - 910 |
| Thermal conductivity at (25±5)°C, W/(mK) | 0.36 - 0.50 |
| Melt flow index, 190C/5.0 kg | 0.5 - 0.9 |
| Water absorption, %, maximum | 0.01 – 0.03 |
| Frost resistance, °C<br>minus 20<br>Elasticity coefficient, MPa, at least | 1,300 |
| Surface resistance, Ohm, at least | 1,013 |
| Tensile strain at break, % at least | 250 |
| Weld strength for welded shaped products, N, at least | 380 |

**WATERPROOFING AND CONCRETE PROTECTION**