

Technical Data Sheet

Durostone® EPR S5

Typical industries

- Aquafarming
- Costruzione di serbatoi e impianti chimici
- Coclee di sollevamento per impianti di trattamento delle acque reflue

| | Test method | Unit | Guideline value |
|---|---------------|------------------------------------|------------------|
| Mechanical properties | | | |
| Density | ISO 1183 | g/cm ³ | 1,9 |
| Flexural strength ¹ | ISO 178 | MPa | 500 |
| Modulus of elasticity in flexion ¹ | ISO 178 | MPa | 20000 |
| Compressive strength $^\perp$ | ISO 604 | MPa | 300 |
| Tensile strength II | ISO 527 | MPa | 400 |
| Impact strength II (Charpy) | ISO 179 | kJ / m ² | 100 |
| Delamination force II | DIN 53463 | N | 4000 |
| Thermal properties | | | |
| Thermal conductivity ¹ | | W / (m * K) | 0,3 |
| Coefficient of linear expansion II | TMA (Mettler) | 10 ⁻⁶ x K ⁻¹ | 10 - 20 |
| Temperature index | IEC 60216 | T.I. | 180 |
| Insulation class | IEC 60085 | 1 | Н |
| Dielectrical properties | | | |
| Electric strength 90°C under oil $^\perp$ | IEC 60243 | kV / mm | 13 |
| Relative permittivity (50 Hz) | IEC 60250 | ε _r | ≈ 5 |
| Specific surface resistance | IEC 60093 | Ohm | 10 ¹³ |
| Specific volume resistance | IEC 60093 | Ωxcm | 10 ¹⁴ |
| Comparative tracking index | IEC 60112 | СТІ | 225 |
| | | | |

⁼ perpendicular to the lamination II = parallel to the lamination

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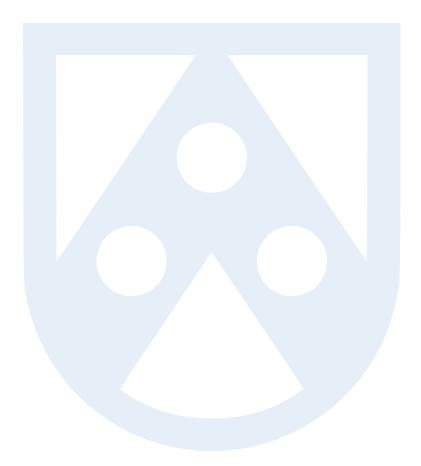
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