

Technical Data Sheet

Durostone[®] EPR S5

Typical industries

- Aquafarming
- Chemical Processing Industry
- Lifting screws for wastewater treatment systems

| | Test method | Unit | Guideline value |
|---|---------------|------------------------------------|------------------|
| Mechanical properties | | | |
| Density | ISO 1183 | g / cm ³ | 1,9 |
| Flexural strength [⊥] | ISO 178 | MPa | 500 |
| Modulus of elasticity in flexion [⊥] | ISO 178 | MPa | 20000 |
| Compressive strength [⊥] | 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 [⊥] | | 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 | / | H |
| Dielectrical properties | | | |
| Electric strength 90°C under oil [⊥] | 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 | Ω x cm | 10 ¹⁴ |
| Comparative tracking index | IEC 60112 | CTI | 225 |

= perpendicular to the lamination II = parallel to the lamination

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the

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