## EMSPOLAST Technical data sheet

**Formblatt 7.13**

### properties | test method | Technical data | unit
---|---|---|---
resin type | unsaturated polyester | | |
type of reinforcement | Glas: matt- roving-matt | | |
fibre content | 50-68 | | Gew.-%
specific weight | 1,65-1,95 | | g/cm³
flexural strength | P | 320-360 | N/mm²
flexural strength | S | 150-160 | N/mm²
dielectric constant | | 4 | |
specific electrical resistance | | $10^{12}$ | Ω x cm
penetration resistance | P | 5-10* | KV/mm
trickle current resistance | P | 600 | CTI
1-min test-voltage | S | 8 | KV/mm
coefficient of thermal expansion | P | $15-25 \times 10^{-3}$ | K⁻¹
water absorption | | < 5 | Gew.-% head conductivity | 0,3 | | W/mK
recommended temperature limit | | 100-180 | Grad C
P= parallel to laminated surface | | | |
S= perpendicular to laminated surface | | | |

---

**Note:** Our data sheets and publications should assist you in your consultation. All the values given are average values under normal conditions; they are not to be tips for the support of our clients in the utilization of our products. They do not relieve the client of the requirement to carry out trials on their own with our products to ensure that the products fulfill the posed requirements. Furthermore, we make reference to our general sales, delivery, and payment conditions.