

Technical Data Sheet

Durostone® EPC 308

Typical characteristics

- Good mechanical and electronical properties at both room temperature and elevated temperatures
- Epoxy (EP) resin matrix reinforced with an e-glass fine fabric

Typical industries

- Générateurs et moteurs
- Industrie de l'équipement électrique
- Composants d'isolation électrique
- Pétrole et gaz

| | Test method | Unit | Guideline value |
|--|-------------|-------------------|----------------------|
| Mechanical properties | | | |
| Densité | ISO 1183 | g/cm ³ | 1,85 |
| Flexural strength ¹ | ISO 178 | MPa | 450 |
| Flexural strength ¹ +150°C | ISO 178 | MPa | 230 |
| Modulus of elasticity in flexion ¹ | ISO 178 | MPa | 23000 |
| Modulus of elasticity in flexion [⊥] +150°C | ISO 178 | MPa | 18000 |
| Compressive strength ¹ | ISO 604 | MPa | 500 |
| Tensile strength II | ISO 527 | MPa | 400 |
| Impact strength II (Charpy) | ISO 179 | kJ/m^2 | 100 |
| Thermal properties | | | |
| Temperature index | IEC 60216 | T.I. | 180 |
| Insulation class | IEC 60085 | / | Н |
| Physical properties | | | |
| Water absorption (4mm thickness) | ISO 62 | % | < 0,1 |
| Dielectrical properties | | | |
| Electric strength 90°C under oil ¹ | IEC 60243 | kV / mm | 16 |
| Electric strength 90°C under oil II | IEC 60243 | kV/25mm | 80 |
| Specific surface resistance | IEC 60093 | | 5 x 10 ¹⁰ |
| Comparative tracking index | IEC 60112 | CTI | 180 |

⁼ perpendicular to the lamination II = parallel to the lamination

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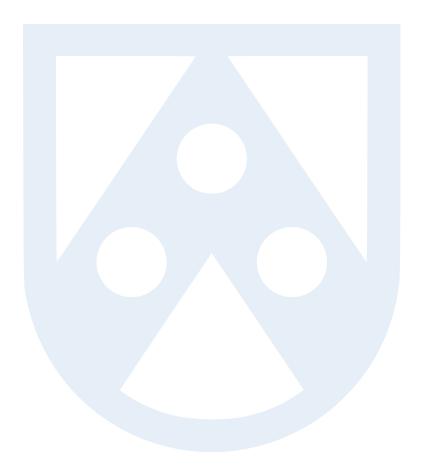
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