

## **Technical Data Sheet**

## Durostone® UTR 1494 red

GFK-UP

## **Typical characteristics**

- Polyester (UP) resin matrix reinforced by fiberglass
- High mechanical strength
- Flame retardant
- Low smoke development

## **Typical industries**

- Switchgear
- Renewable Energies
- Electrical Industry
- Electrical Insulating Components
- Generator and Motor

|  | Test method | Unit                | Guideline value |
|--|-------------|---------------------|-----------------|
| Mechanical properties                      |             |                     |                 |
| Density                                    | ASTM D 792  | g / cm <sup>3</sup> | 1,81            |
| Flexural strength <sup>1</sup>             | ASTM D 790  | MPa                 | 152             |
| Compressive strength $^{\perp}$            | ASTM D 695  | MPa                 | 228             |
| Tensile strength II                        | ASTM D 638  | MPa                 | 54              |
| Thermal properties                         |             |                     |                 |
| Flammability                               | UL 94       | /                   | V0/2,4mm        |
| Temperature index (elec./mech.)            | UL 746B     | T.I.                | 130/160         |
| Thermal conductivity <sup>1</sup>          |             | W / (m * K)         | 0,27            |
| Dielectrical properties                    |             |                     |                 |
| Electrical strength (oil/air) <sup>1</sup> | ASTM D 149  | kV / mm             | 18/23           |
| Electrical strength (oil) II               | ASTM D 149  | kV/25mm             | 47              |
| Comparative tracking index                 | UL746A      | V                   | 500             |

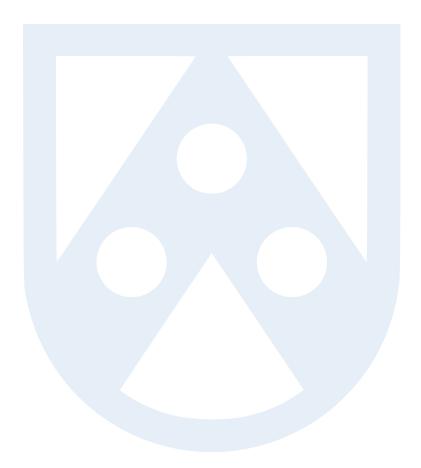
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= perpendicular to the lamination II = parallel to the lamination

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