

# IsoUsch D200

Specification **Insulation-washer for flange-insulations according to DIN – cathodic corrosion protection**

Dimensions for flange-screws M10 – M52  
(The dimensions of the IsoUsch 200 depends on the steel-washer according to DIN 125 and have a 3mm bigger outer diameter than according to DIN 125)

**Isolation**  
Binder Epoxy resin  
Material glas filament fabrics  
Appearance light green / green

|   | <i>unit</i>       | <i>value</i>                              | <i>test method</i> |
|---|-------------------|---|--------------------|
| Thickness   | mm                | 4,0 – 20                                  |                    |
| Density   | g/cm <sup>3</sup> | 2,0                                       | ISO 1183/A         |
| Tensile strength  | MPa               | 300                                       | ISO 527            |
| Residual strength                                       | MPa               | 500 / 350 / 300<br>(20°C / 180°C / 220°C) | ISO 604            |
| Bowing strength   | MPa               | 250 / 150<br>(120°C / 150°C)              | ISO 178            |
| Operating temperature                                   | °C                | 200                                       | IEC 60216          |
| Maximum temperature                                     | °C                | 220                                       | IEC 60216          |
| Specific volume resistance                              | Ωcm               | 10 <sup>16</sup>                          | DIN/VDE 0303T30    |
| Dielectric constant (1MHz)                              |                   | about 5                                   | DIN 53483          |
| Dielectric strength (1min-test-voltage, 3 mm thickness) | kV/mm             | 13  | IEC 60234          |
| Waterabsorption   | mg                | 30  | ISO 62/1           |

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