

## Technický datový list

Durostone<sup>®</sup> EPM 203

GFK-EP

## Vlastnosti produktu

- Epoxy (EP) resin matrix reinforced with an e-glass mat
- Good mechanical properties
- Good electrical properties

## Typické oblasti použití

- Generátory a motory
- Obnovitelné energie
- Elektrotechnický průmysl
- Větrná energie
- Elektrické izolační konstrukční díly
- Hydrogen Energy
- Balistika

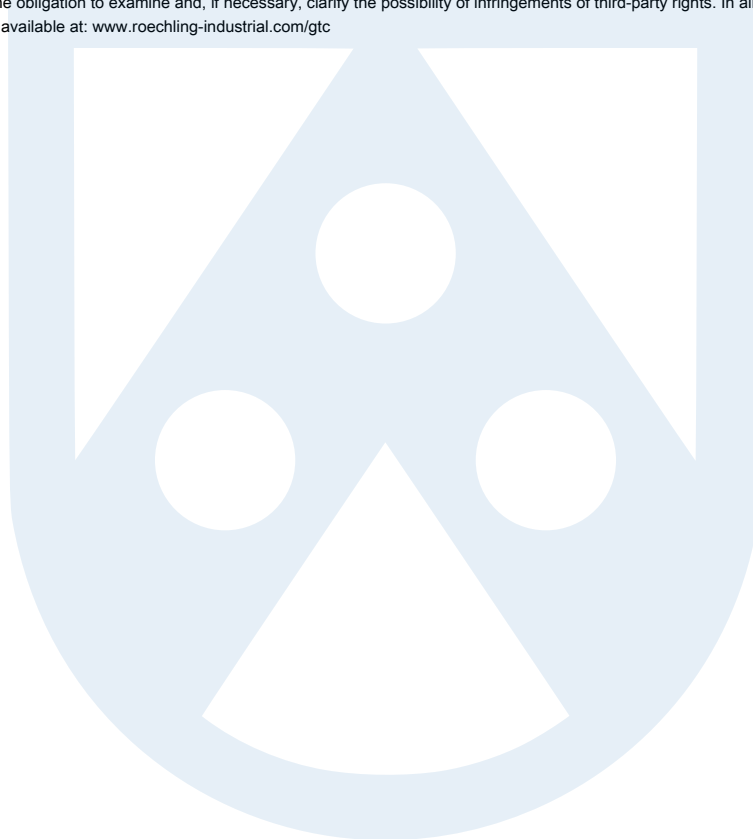
|  | Testovací metoda | Jednotka            | Orientační hodnota |
|--|------------------|---------------------|--------------------|
| <b>Mechanické vlastnosti</b>                     |                  |                     |                    |
| Hustota  | ISO 1183         | g / cm <sup>3</sup> | 1,85               |
| Pevnost v ohybu $\perp$                          | ISO 178          | MPa                 | 360                |
| Pevnost v ohybu $\perp$ +150 °C                  | ISO 178          | MPa                 | 180                |
| Modul pružnosti v ohybu $\perp$                  | ISO 178          | MPa                 | 20000              |
| Modul pružnosti v ohybu $\perp$ +150 °C          | ISO 178          | MPa                 | 15000              |
| Pevnost v tlaku $\perp$                          | ISO 604          | MPa                 | 500                |
| Pevnost v tahu II                                | ISO 527          | MPa                 | 280                |
| Rázová houževnatost II (Charpy)                  | ISO 179          | kJ / m <sup>2</sup> | 100                |
| <b>Tepelné vlastnosti</b>                        |                  |                     |                    |
| Teplotní index                                   | IEC 60216        | T.I.                | 180                |
| Izolační třída                                   | IEC 60085        | /                   | H                  |
| <b>Fyzikální vlastnosti</b>                      |                  |                     |                    |
| Absorpce vody (4 mm tloušťka)                    | ISO 62           | %                   | 0,1                |
| <b>Dielektrické vlastnosti</b>                   |                  |                     |                    |
| Elektrická pevnost 90 °C v olejové lázni $\perp$ | IEC 60243        | kV / mm             | 13                 |
| Elektrická pevnost 90 °C v olejové lázni II      | IEC 60243        | kV/25mm             | 70                 |
| Měrný povrchový odpor                            | IEC 60093        | $\Omega$            | 10 <sup>13</sup>   |

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

|                            | Testovací metoda | Jednotka | Orientační hodnota |
|----------------------------|------------------|----------|--------------------|
| Srovnávací sledovací index | IEC 60112        | CTI      | 400                |

⊥ = perpendicular to the lamination || = 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 user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to customers with the appropriate expertise and not to consumers. Please do not hesitate to contact us if you have any questions or if you experience any specific application problems. If the application for which our products are used is subject to an official approval requirement, the user/processor is responsible for obtaining these approvals. Our application recommendations do not exempt the user/processor from the obligation to examine and, if necessary, clarify the possibility of infringements of third-party rights. In all other respects, we refer to our General Terms and Conditions (GTC). These are available at: [www.roechling-industrial.com/gtc](http://www.roechling-industrial.com/gtc)



[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 02/05/2026 • Vydáno: 20/09/2023 • Verze: 1.0  
PIM-ID: 710059 • PIM-kód: 1111-20-11.17.10-4.6.11.10.7.11.8-13  
Company-IDs: 21020

Page 2 / 2 (Dates in DD/MM/YYYY)

