

Technical Data Sheet

Durostone® EPC 205

GFK-EP

Typical characteristics

- High-pressure laminate
- High dielectric strength
- High mechanical strength
- Flame retardant
- Special epoxy (EP) resin matrix reinforced with an e-glass roving fabric

Typical industries

- Generatori e motori
- Industria elettrica
- Isolanti elettrici
- Healthcare
- Trasmissione di energia elettrica in corrente continua (HVDC)
- Idrogeno
- Semiconductor High and low temperature

Test method	Unit	Guideline value
ISO 1183	g/cm ³	2,05
ISO 178	MPa	600
ISO 178	MPa	500
ISO 178	MPa	30000
ISO 178	MPa	26000
ISO 604	MPa	600
ISO 604	MPa	450
ISO 527	MPa	450
ISO 179	kJ/m^2	300
UL 94	/	V0 / 3mm
IEC 60216	T.I.	180
IEC 60085	/	Н
ISO 62	%	< 0,2
	ISO 1183 ISO 178 ISO 178 ISO 178 ISO 178 ISO 178 ISO 604 ISO 604 ISO 527 ISO 179 UL 94 IEC 60216 IEC 60085	ISO 1183 g / cm ³ ISO 178 MPa ISO 604 MPa ISO 604 MPa ISO 527 MPa ISO 179 kJ / m ² UL 94 / IEC 60216 T.I. IEC 60085 /

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





Test method	Unit	Guideline value
IEC 60243	kV / mm	13
IEC 60243	kV/25mm	70
IEC 60250	 ε _r	5
IEC 60250	tan δ	0,04
IEC 60093	Ω	10 ¹²
IEC 60093	Ωxcm	10 ¹⁴
IEC 60112	CTI	600
IEC 60167	Ω	1010
	IEC 60243 IEC 60243 IEC 60250 IEC 60250 IEC 60093 IEC 60093 IEC 60112	IEC 60243 kV / mm IEC 60243 kV / 25mm IEC 60250 $ε_r$ IEC 60250 tan δ IEC 60093 $Ω$ IEC 60093 $Ω × cm$ IEC 60112 CTI

⁼ perpendicular to the lamination II = 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



