

## **Technical Data Sheet**

## Durostone® EPC 205

## **Typical characteristics**

- High-pressure laminate
- Extremely high mechanical & dielectric strength and low flammability
- Special epoxy (EP) resin matrix reinforced with an e-glass roving fabric

## **Typical industries**

- Generator and Motor
- Electrical Industry
- Electrical Insulating Components
- Healthcare
- HVDC Transmission
- Hydrogen Energy
- Semiconductor High and low temperature

Unit	Guideline value
<u> </u>	
g/cm <sup>3</sup>	2,05
MPa	600
MPa	500
MPa	30000
MPa	26000
MPa	600
MPa	450
MPa	450
kJ/m <sup>2</sup>	300
/	V0 / 3mm
T.I.	180
/	Н
%	< 0,2
kV / mm	13
	kV / mm

Röchling Industrial SE & Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0 info@roechling-plastics.com • www.roechling.com/industrial/haren



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	Test method	Unit	Guideline value
Electric strength 90°C under oil II	IEC 60243	kV/25mm	70
Relative permittivity (50 Hz)	IEC 60250	ε <sub>r</sub>	5
Dielectric loss factor (50 Hz)	IEC 60250	tan δ	0,04
Specific surface resistance	IEC 60093	Ohm	10 <sup>12</sup>
Specific volume resistance	IEC 60093	Ωxcm	10 <sup>14</sup>
Comparative tracking index (test solution A)	IEC 60112	CTI	600
Insulation resistance after 24 h water immersion	IEC 60167	Ohm	1010

<sup>=</sup> 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



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