

Technical Data Sheet

Durostone® UTR 1491 white

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 ³	1,81
Flexural strength [⊥]	ASTM D 790	MPa	152
Compressive strength [⊥]	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 [⊥]		W / (m * K)	0,27
Dielectrical properties			
Electrical strength (oil/air) [⊥]	ASTM D 149	kV / mm	18/23
Electrical strength (oil) II	ASTM D 149	kV/25mm	47
Comparative tracking index	UL746A	V	500

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

Print: 13/12/2025 • Release: 20/09/2023 • Version: 1.0
PIM-Version: 952 • PIM-ID: 716630 • PIM-Code: 952-36-9.23.14.15-7.6.11.7.4-13
Company-IDs: 20000-1

Page 1 / 2 (Dates in DD/MM/YYYY)



⊥ = 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



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

Print: 13/12/2025 • Release: 20/09/2023 • Version: 1.0
 PIM-Version: 952 • PIM-ID: 716630 • PIM-Code: 952-36-9.23.14.15-7.6.11.7.4-13
 Company-IDs: 20000-1

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

