

### Technical Data Sheet

## Durostone<sup>®</sup> UTR 1491 white

#### Typical characteristics

- Polyester (UP) resin matrix reinforced by fiberglass
- Available in sheet form, wide selection of channel, angle and tube size
- Excellent combination of mechanical strength, flame resistance and low smoke generation

#### Typical industries

- Quadri elettrici
- Energie rinnovabili
- Industria elettrica
- Isolanti elettrici
- Generatori e motori

	Test method	Unit	Guideline value
<b>Mechanical properties</b>			
Density	ASTM D 792	g / cm <sup>3</sup>	1,81
Flexural strength <sup>⊥</sup>	ASTM D 790	MPa	152
Compressive strength <sup>⊥</sup>	ASTM D 695	MPa	228
Tensile strength II	ASTM D 638	MPa	54
<b>Thermal properties</b>			
Flammability	UL 94	/	V0/2,4mm
Temperature index (elec./mech.)	UL 746B	T.I.	130/160
Thermal conductivity <sup>⊥</sup>		W / (m * K)	0,27
<b>Dielectrical properties</b>			
Electrical strength (oil/air) <sup>⊥</sup>	ASTM D 149	kV / mm	18/23
Electrical strength (oil) II	ASTM D 149	kV/25mm	47
Comparative tracking index	UL746A	V	500

= 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

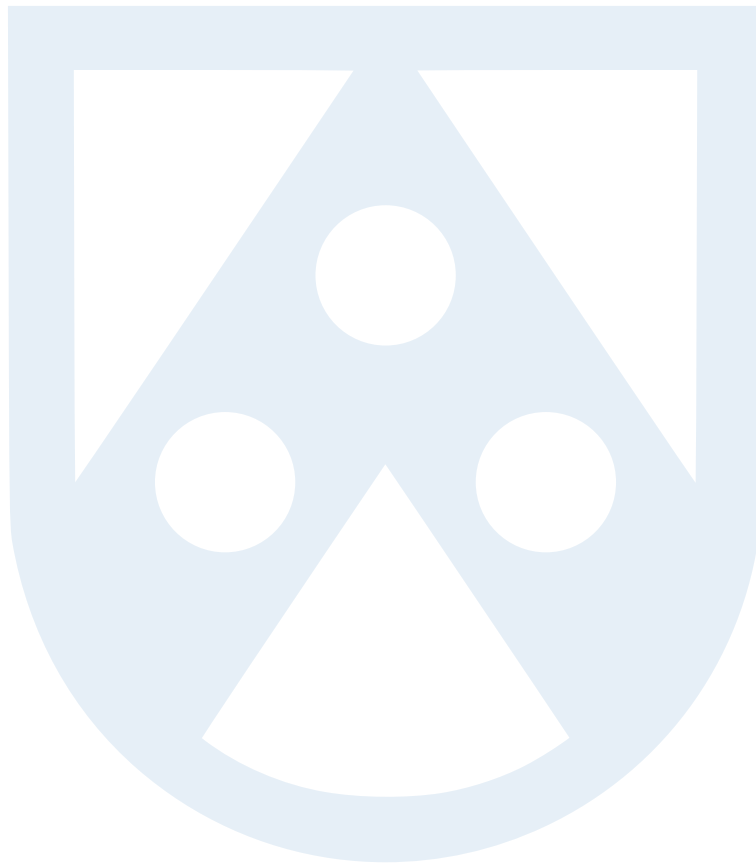
#### Röchling Industrial SE & Co. KG

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

Print: 03/05/2024 • Release: 20/09/2023 • Version: 1.0  
 PIM-Version: 376 • PIM-ID: 716630 • PIM-Code: 376-32-7.7.7-6.6.11.5.3-13



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)



**Röchling Industrial SE & Co. KG**

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

Print: 03/05/2024 • Release: 20/09/2023 • Version: 1.0  
PIM-Version: 376 • PIM-ID: 716630 • PIM-Code: 376-32-7.7.7-6.6.11.5.3-13

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

