

### Technical Data Sheet

## Durostone<sup>®</sup> WGR 781

#### Typical characteristics

- Fibre-reinforced composite material developed for applications in the field of wave soldering (max. continuous operating temperature 280 °C)
- Excellent mechanical properties and surface resistivity according to ESD applications
- Please contact us for more information and possible fields of application

#### Typical industries

- Electronics

	Test method	Unit	Guideline value
<b>Mechanical properties</b>			
Density	ISO 1183	g / cm <sup>3</sup>	1,85
Flexural strength <sup>⊥</sup>	ISO 178	MPa	400
Flexural strength <sup>⊥</sup> +150°C	ISO 178	MPa	300
Modulus of elasticity in flexion <sup>⊥</sup>	ISO 178	MPa	26000
Modulus of elasticity in flexion <sup>⊥</sup> +150°C	ISO 178	MPa	24000
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612	W/m K	0,3
Max. continuous operating temperature		°C	280
<b>Physical properties</b>			
Water absorption (method I)	ISO 62	%	< 0,1
<b>ESD properties</b>			
Surface resistivity	ASTM D257	Ohm/sq	10 <sup>5</sup> - 10 <sup>8</sup>

= perpendicular to the lamination || = parallel to the lamination Availability - Standard sheet size: 2500 x 1220 mm - Thickness: 6 -0/+0,2 mm 8 -0/+0,2 mm 10 -0/+0,2 mm other thicknesses available on request - Sanded

#### Röchling Industrial Nancy S.A.S.

8, Rue André Fruchard • 54520 B.P.12, Maxéville/France (FR) • Tel. +33 383 342424  
[info@roechling-permali.fr](mailto:info@roechling-permali.fr) • [www.roechling.com/industrial/nancy](http://www.roechling.com/industrial/nancy)

Print: 30/04/2024 • Release: 20/09/2023 • Version: 1.0  
 PIM-Version: 48 • PIM-ID: 715283 • PIM-Code: 48-25-6.7.11-8-15



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)



**Röchling Industrial Nancy S.A.S.**

8, Rue André Fruchard • 54520 B.P.12, Maxéville/France (FR) • Tel. +33 383 342424  
[info@roechling-permali.fr](mailto:info@roechling-permali.fr) • [www.roechling.com/industrial/nancy](http://www.roechling.com/industrial/nancy)

Print: 30/04/2024 • Release: 20/09/2023 • Version: 1.0  
PIM-Version: 48 • PIM-ID: 715283 • PIM-Code: 48-25-6.7.11-8-15

