

## Technical Data Sheet

# Durostone<sup>®</sup> UPGM -S-LP

### Typical characteristics

- Polyester (UP) resin matrix
- reinforced with glassfiber mats
- for high strength in crosswise direction

### Typical industries

- Vehicle Construction
- Bus
- Traffic Engineering & Infrastructure
- Mechanical Engineering Industry
- Building industry
- Electrical Industry

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,65 - 1,8
<b>Mechanical properties</b>			
Flexural strength, lengthwise	ISO 178	MPa	> 350
Flexural modulus, lengthwise	ISO 178	MPa	> 18.000
Flexural strength, crosswise	ISO 178	MPa	> 250
Flexural modulus, crosswise	ISO 178	MPa	> 14.000
<b>Physical properties</b>			
Water absorption	ISO 62	%	< 3
<b>Dielectrical properties</b>			
Specific surface resistance	IEC 60093	Ohm	> 10 <sup>11</sup>
Specific volume resistance	IEC 60093	Ω x cm	> 10 <sup>11</sup>
Comparative tracking index	IEC 60112	CTI	600
Electrical strength, perpendicular, 90 °C	IEC 60243	kV / mm	> 8

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

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