

## Technical Data Sheet

# Durostone<sup>®</sup> UPGM -LP

### Typical characteristics

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

### Typical industries

- Elektrotechnický průmysl

	Test method	Unit	Guideline value
<b>Mechanical properties</b>			
Flexural strength, lengthwise	ISO 178	MPa	250 - 350
Flexural modulus, lengthwise	ISO 178	MPa	10000 - 18000
Flexural strength, crosswise	ISO 178	MPa	150 - 300
Flexural modulus, crosswise	ISO 178	MPa	8000 - 14000
Compressive strength, perpendicular	ISO 604	MPa	250 - 300
Tensile strength, lengthwise	ISO 527	MPa	250 - 350
Tensile strength, crosswise	ISO 527	MPa	150 - 250
<b>Thermal properties</b>			
Flammability	UL 94	/	HB
Temperature index	IEC 60216	T.I.	155
Max. continuous operating temperature		°C	130
<b>Physical properties</b>			
Density	ISO 1183	g / cm <sup>3</sup>	1,7 - 1,85
Glass content	ISO 1172	%	40 - 70
Water absorption	ISO 62	%	< 5
<b>Dielectrical properties</b>			
Specific surface resistance	IEC 60093		10 <sup>11</sup> - 10 <sup>14</sup>
Specific volume resistance	IEC 60093	Ω x cm	10 <sup>10</sup> - 10 <sup>13</sup>
Electrical strength, perpendicular, 90 °C	IEC 60243	kV / mm	4 - 10
Comparative tracking index	EN 60112	CTI	600

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

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