

Technical Data Sheet

Durostone® 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
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,65 - 1,8
Mechanical properties			
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
Physical properties			
Water absorption	ISO 62	%	< 3
Dielectrical properties			
Specific surface resistance	IEC 60093	Ohm	> 10 ¹¹
Specific volume resistance	IEC 60093	Ω x cm	> 10 ¹¹
Comparative tracking index	IEC 60112	CTI	600
Electrical strength, perpendicular, 90 °C	IEC 60243	kV / mm	> 8

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

