

Technical Data Sheet

Durostone[®] UPM S16

GFK-UP

Typical characteristics

- Laminado de alta presión
- Matriz especial de resina de poliéster (UP) reforzada con una estera de vidrio electrónico
- Alta resistencia mecánica
- Extremadamente alta resistencia mecánica y dieléctrica y baja inflamabilidad.
- Retardante de llama

Typical industries

- Sistemas de conmutación

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g / cm ³	1,87
Flexural strength [⊥]	ISO 178	MPa	200
Modulus of elasticity in flexion [⊥]	ISO 178	MPa	13000
Compressive strength [⊥]	ISO 604	MPa	300
Compressive strength II	ISO 604	MPa	180
Tensile strength II	ISO 527	MPa	100
Impact strength II (Charpy)	ISO 179	kJ / m ²	100
Thermal properties			
Flammability	UL 94	/	V0 / 3mm
Physical properties			
Water absorption (4mm thickness)	ISO 62	%	0,2
Dielectrical properties			
Electric strength 90°C under oil [⊥]	IEC 60243	kV / mm	12
Electric strength 90°C under oil II	IEC 60243	kV/25mm	75
Specific surface resistance	IEC 60093	Ω	10 ¹³

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	Test method	Unit	Guideline value
Comparative tracking index	IEC 60112	CTI	600

⊥ = perpendicular to the lamination || = parallel to the lamination

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