

Technical Data Sheet

Durostone[®] UTR 1491 white

GFK-UP

Typical characteristics

- Polyester (UP) resin matrix reinforced by fiberglass
- High mechanical strength
- Flame retardant
- Low smoke development

Typical industries

- 开关设备
- 可再生能源
- 电气行业
- 电气绝缘元件
- 发电机和电机

	Test method	Unit	Guideline value
Mechanical properties			
Density	ASTM D 792	g / cm ³	1,81
Flexural strength [⊥]	ASTM D 790	MPa	152
Compressive strength [⊥]	ASTM D 695	MPa	228
Tensile strength II	ASTM D 638	MPa	54
Thermal properties			
Flammability	UL 94	/	V0/2,4mm
Temperature index (elec./mech.)	UL 746B	T.I.	130/160
Thermal conductivity [⊥]		W / (m * K)	0,27
Dielectrical properties			
Electrical strength (oil/air) [⊥]	ASTM D 149	kV / mm	18/23
Electrical strength (oil) II	ASTM D 149	kV/25mm	47
Comparative tracking index	UL746A	V	500

[⊥] = perpendicular to the lamination II = parallel to the lamination

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