

## 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

- Switchgear
- 재생 가능 에너지
- 전기 산업
- Electrical Insulating Components
- Generator and Motor

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

<sup>⊥</sup> = perpendicular to the lamination II = parallel to the lamination

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