

## CFRT-PPS

### (Continuous Fiber Reinforced Thermoplastic Tape-Polyphenylene Sulfite)

#### Category

CFRT-PPS UD-TAPE is continuous fiber impregnated with PPS(polyphenylene sulfite) and laminated together to create one ply fiber reinforcement thermoplastic composites .

It is non-woven, fibers are parallel ( $0^\circ$  ). The width is 300mm/600mm/1200mm, can be accepted customized .

#### Technical Data

Properties <sup>1</sup>	Test Standards	Condition	Units	Typical Value
Fiberglass Content	/	23°C	%wt	48-50
Density	/	23°C	g/cm <sup>3</sup>	1.75
Tape Thickness	/	23°C	mm	0.35
Melt Point	/	23°C	°C	285
Tensile Strength	ISO527-5/Tape	5mm/min	MPa	550
Tensile Modulus	ISO527-5/Tape	1mm/min	GPa	26
Flexural Strength	ISO14125	2mm/min	MPa	550
Flexural Modulus	ISO14125	2mm/min	GPa	26
0° Interlaminar Shear Strength	ISO14130	1mm/min	MPa	21
0° Interlaminar Shear Modulus	ISO14130	1mm/min	MPa	1080
90° Interlaminar Shear Strength	ISO14130	1mm/min	MPa	3.4
90° Interlaminar Shear Modulus	ISO14130	1mm/min	MPa	275
0° Compressive Strength	GB/T 1448	1mm/min	MPa	250
90° Compressive Strength	GB/T 1448	1mm/min	MPa	36

*Note<sup>1</sup>: Colored product performance may be different from the above values.*

*Note<sup>2</sup>: Typical values are the average laboratory data, when used only for reference , not as a products standard.*

*Note<sup>2</sup>: Above conditions only reference, according to different equipment, different molds and product requirements, process must be appropriately adjusted.*