

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°). The width is 300mm/600mm/1200mm, can be accepted customized .

Advantage

- Low cost
- Lightweight
- High strength and modulus and excellent impact resistant
- Design flexibility
- Resists rot, corrosion, and mildew and is not affected by cleaning related chemicals.
- No VOC, environmental, completely recyclable



Technical Data

Properties ¹	Test Standards	Condition	Units	Typical Value
Fiberglass Content	/	23	%wt	48
Density	/	23	g/cm ³	1.75
Tape Thickness	/	23	mm	0.35
Tensile Strength	ISO527	5mm/min	MPa	550
Tensile Modulus	ISO527	1mm/min	GPa	26
Flexural Strength	ISO14125	2mm/min	MPa	550
Flexural Modulus	ISO14125	2mm/min	GPa	26

Note¹: Colored product performance may be different from the above values.

Note²: Typical values are the average laboratory data, when used only for reference , not as a products standard.

Note²: Above conditions only reference, according to different equipment, different molds and product requirements, process must be appropriately adjusted.