

CFRT-PPS With Carbon BLACK (Continuous Fiber Reinforced Thermoplastic Tape-Polyphenylene Sulfite with Carbon Black)

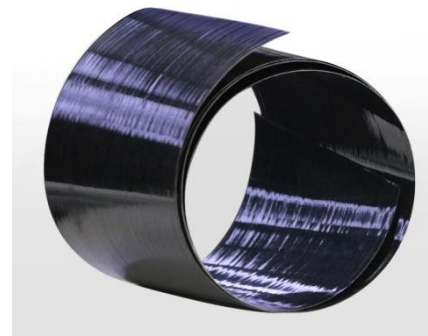
Category

CFRT-PPS UD-TAPE is continuous fiber impregnated with PPS(polyphenylene sulfite) & carbon black, 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 hot and AV.
- 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	23-24
Flexural Strength	ISO14125	2mm/min	MPa	550
Flexural Modulus	ISO14125	2mm/min	GPa	23-24

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.

Note³: Above conditions only reference, according to different equipment, different molds and product requirements, process must be appropriately adjusted.