

T-UD Series-GPPS Tapes

Description

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

We can add CARBON BLACK for anti-UV and anti - aging.

Technical Data

Properties ¹	Test Standards	Condition	Units	Typical Value
Fiberglass Content	/	23°C	%wt	48-50
Density	/	23°C	g/cm ³	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

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.

