



CETAVER[®] S TAPE



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CETAVER S TAPE

- Our S glass tapes are made with S glass yarn.
- S glass tapes have better characteristics than E glass tapes.
- S glass tapes are fitted for the insulation of superconductive coils, and more particularly for the ITER project, because S glass yarn contains a very light content in Boron (0-0.1%).
- **Characteristics of S glass yarn compared with E glass yarn :**
- Very light content in Boron ($B_2 O_3$).
- 30% more resistant.
- 20% higher young module.
- 25% higher heat resistance.

CARACTERISTICS YARN - TAPE

Characteristics		S Glass	E Glass
Dielectric constant	1 MHz	5.3	6.4
Max Continuous working temperature	°C	+580	+460
Density	g/cm ³	2.48	2.58
Mechanical strength	MPa	4900	3400
Elongation	%	5.6	4.6
Elasticity	GPa	87	73

Characteristics		Values	Tolerances
Width	mm	15 to 100	± 1 ± 2
Thickness	mm	0.13 to 0.30	± 2 ± 3
Weight	g/m ²	150 To 300	± 5%