

ECOSILC®

BIO-SOLUBLE HT FIBER

ECOSILC® is a bio-soluble fiber reinforced with glass wires, resistant to very high temperatures.

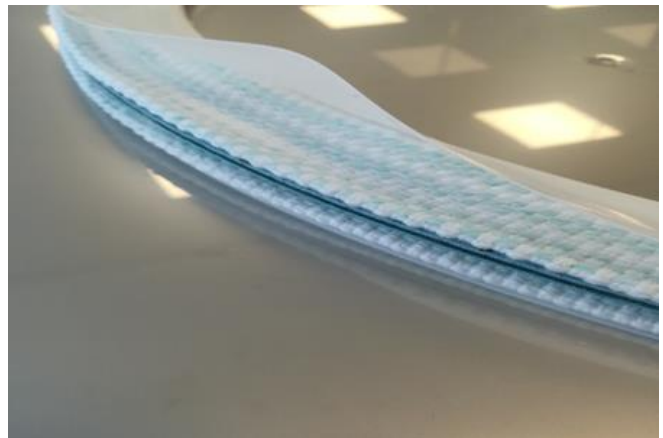
ECOSILC® is preferred mainly in glass lined reactors because the surfaces present more irregularity and this material grant a perfect adaptation and avoid the shimming process.

TYPICAL APPLICATION

ECOSILC® because of the high temperature resistance, the low thermal conductivity, low density, and high flexibility is the perfect solution on the steel lined reactors for the pharmaceutical and chemical industries.

PRODUCT PROPERTIES:

- High temperature stability
- Excellent thermal shock resistance
- Good dimensional stability
- High mechanical strength
- Low density
- Low thermal conductivity
- Incombustible – After decomp. of org. fiber
- Good flexibility
- Good resistance to chemical agents
- High resistance to abrasion



PROPERTY	UNITS	VALUE
Color		White / Light Green
Temperature resistance	°C	650
Fiber diameter	micron	3 - 5
Melting point	°C	1260
Compressibility	%	40 - 50
Density	Kg/dm ³	0,5
Fire reaction		Incombustible

ECOSILC® COMPOSITION	UNITS	VALUE
SiO ₂	%	63 - 67
CaO	%	29 - 33
MgO	%	1,5 - 4
Al ₂ O ₃	%	Max 1,0
Fe ₂ O ₃	%	Max 0,6

MATERIAL COMPOSITION	UNITS	VALUE
ECOSILC®	%	Approx. 80
ORGANIC FIBER	%	Approx.20
REINFORCED WITH GLASS YARNS		

