

DANUFIL® BF – SILICA MODIFIED CELLULOSIC BARRIER FIBRE
DANUFIL® BF – the barrier fibre

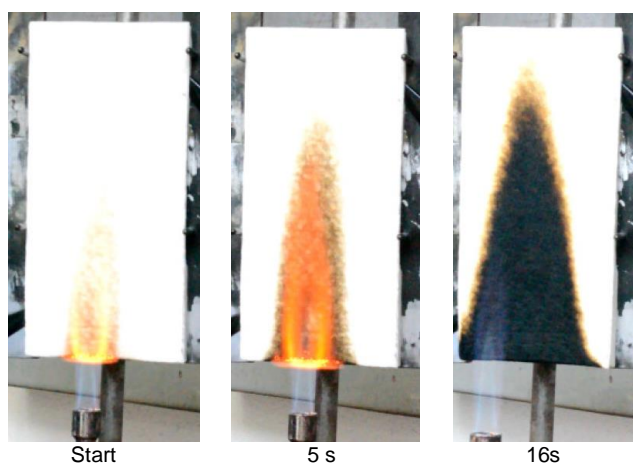
DANUFIL® BF is a hybrid viscose fibre with 30% anorganic additive content. When fabrics including the fibre come into contact with an ignition source, the organic compounds of the fibre carbonize, leaving a residual anorganic structure which acts as an isolating barrier against fire.

DANUFIL® BF can be used in the production of products which meet the US Federal Mattress flammability standard 16 CFR Part 1633. Such products emit virtually no smoke and no toxic fumes and do not melt or flow when in contact with heat or flame.

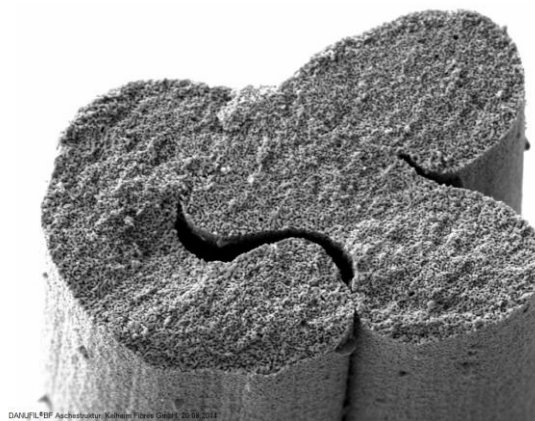
DANUFIL® BF fibres can be blended with other fibres suitable for flame retardant textiles and can easily be processed by needlepunching or air-through bonding.

DANUFIL® BF offers a large surface area for good absorption and is dyeable using conventional textile processes.

DANUFIL® BF fibres are fully biodegradable. **DANUFIL® BF** fibres offer a non toxic and environmentally friendly FR solution without the use of halogens.

Burning Behavior


Vertical burning test according to DIN 4102

Silica structure of DANUFIL® BF

Availability

Decitex	Cutting length (mm)	Ash content
4,7	60	approx. 30%
3,5	50	approx. 30%

Property Profile

Fibre property	Unit	DANUFIL® BF
Tenacity	cN/tex	10 – 15
Elongation At Break	%	20 - 25
Moisture Regain	%	9 - 13
Limiting Oxygen Index	%	27 – 35 (depending on textile construction)
Cross-Section		Irregular

For more information about our products please email to: sales@kelheim-fibres.com or call Germany +49 9441 99-519. Please visit also our website: www.kelheim-fibres.com

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