

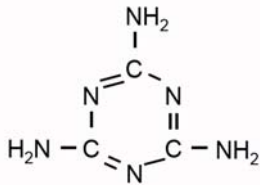


## PRODUCT INFORMATION

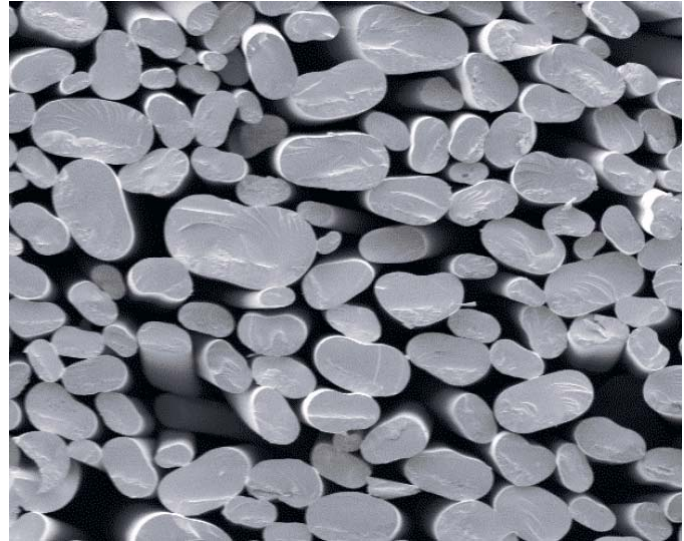
### *WF Series Short-Cut Basofil Melamine Fiber*

#### OVERVIEW

Basofil® fiber is a cost effective heat resistant fiber based on melamine chemistry, with a 400°F (200°C) continuous operating temperature. Melamine fibers are flame resistant, have outstanding heat/dimensional stability, and are self-extinguishing.



EFT's WF series of melamine fibers have a fiber length distribution tailored for use in wet-laid nonwovens. Typical fiber lengths are in the 1-12mm range, and they show excellent dispersion and formation in wet-laid processes.

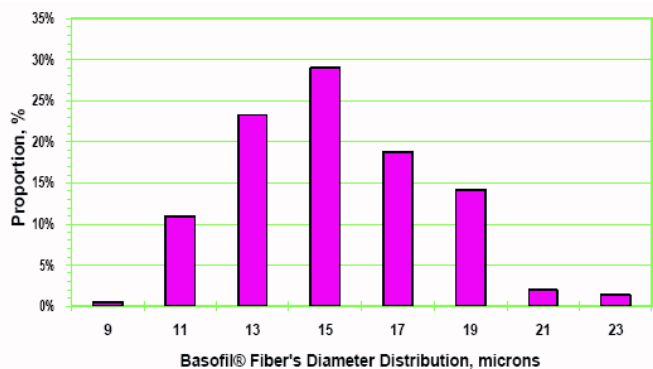


#### UNIQUE FEATURES

- Chars without shrinking
- Naturally flame retardant
- Low thermal conductivity
- Non-toxic / No VOC release

#### TYPICAL APPLICATIONS

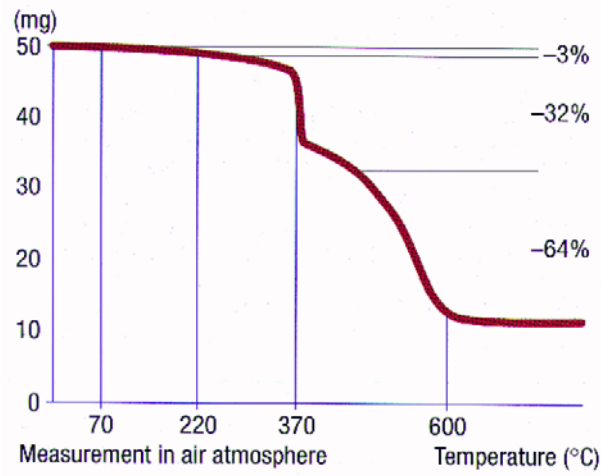
- Mattresses, Home Furnishings / Nonwovens (compliant with 16CFR1633)
- Specialty Flame Resistant Papers
- Firefighting apparel
- Electrical Papers
- Transmission / Friction Papers
- Filtration Media
- Engineered Materials / Short Fiber Composites
- Adhesives / Fillers
- Tire Sealants
- Truck / Rail Brakes



#### AVAILABILITY

The EFT WF series of short-cut melamine fibers is typically supplied in “wet-crumb” form with a solids content of 20-35%, depending on grade. Standard packaging is one 1000lb plastic lined box per pallet. Custom grades and special packaging are available.

## HEAT RESISTANCE



*Thermogravimetric Analysis of WF Series Melamine Fiber*

## FLAME RESISTANCE



*0 Seconds*



*30 Seconds*



*Flame Removed*

*Behavior of self-extinguishing model paper containing 35% WF Series Melamine Fiber*

## TYPICAL PROPERTIES

Measurement	Units	Typical Values
Color		Ivory white
Average Diameter	µm	15
Average Denier	g/9000m	2.4
Specific Gravity		1.4
Tensile Strength	ksi	36
Tenacity	g/den	2.0
Modulus	Msi g/den	1.0 55
Elongation at Break	%	11
Moisture Regain (23°C, 65% RH)	%	5
Shrinkage at 200°C (1hr exposure)	%	< 1
Limiting Oxygen Index	%	32
Maximum Continuous Operating Temperature	°C	200
Melting Temperature	°C	Does not melt or drip
Resistance to Mildew, Aging, Sunlight		Excellent
Resistance to Solvents, Alkalis		Excellent

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