

AFT® TL PPS

Trilobal shaped PPS fibers to enhance filtration performance

Benefits

- Improved filtration efficiency
- Chemical resistance
- Hydrolysis resistance
- 375°F / 190°C continuous temperature tolerance

Enhanced filtration performance

Enhanced efficiency

For years customers seeking improved efficiency have used trilobular shape fibers to enhance baghouse performance because most fibers are straight and less efficient.

Trilobular shaped fibers create equal dust cake on the filter surface. In cases where the temperatures do not exceed 190°C and oxygen is less than 10 percent, we have worked with our partners to develop a PPS needlefelt with trilobal shaped fibers to enhance performance at lower cost than polyimide.

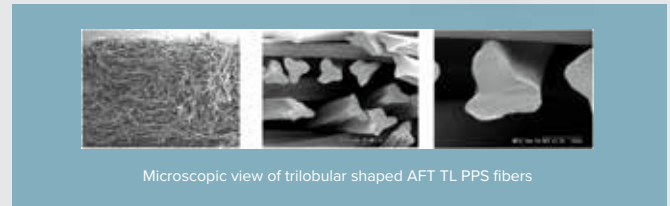
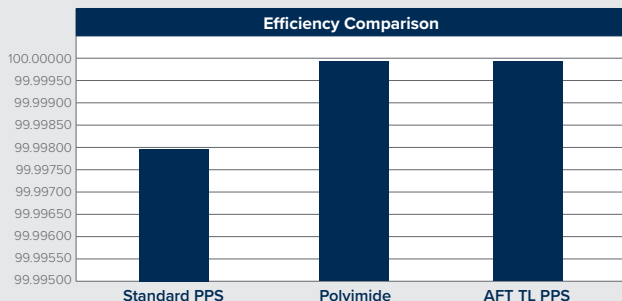
Chemical resistance

PPS is the appropriate fiber when severe chemical and temperature demands exist. It is chemically resistant to a wide range of alkalis and acids. It can operate continuously at 375°F (190°C) or less.

PPS has excellent resistance to hydrolysis and has a low rate of moisture absorption as it is not a condensation polymer. It replaces Aramid at elevated temperatures and chemical attack. Also, it has improved acid resistance over aramid at higher temperatures.

Applications

- Waste to Energy
- Utility
- Industrial Boilers
- Biomass
- Cement Kilns
- Gypsum



Fiber Specifications

Fiber	AFT TL PPS (Polyphenylene Sulfide)
Finish	Heatset, singed one side (additional finishes are available)
Base weight	16 (oz/yd ²) / 550 (g/m ²) (various weights are available)
Minimum mullen burst	400 (psi) / 2758 (kPa)
Air permeability	25 - 50 (cfm at 1/2 in. w.g.) 120 - 240 (l/min/dm ² @ 20mm wg)
Max. continuous operating temperature	375 (°F) / 190 (°C)

* Fiber specifications vary depending on selected weight and finishes

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