

“We Take The Dust Out of Industry!”™

PPS (Polyphenylene Sulfide) Fibers

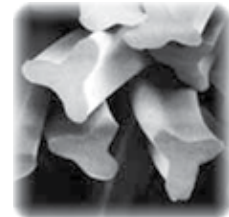
In 1967, Phillips Petroleum Company discovered a method for producing PPS through the combination of para-dichlorobenzene and sodium sulfide. In 1972, Phillips Petroleum discovered how to produce PPS fibers called Ryton® (also known as Torcon® and Procon®). The news spread quickly about its balanced thermal and chemical resistances, nonflammability and electrical properties. To this day PPS fibers are known for its:

- Long and Short - Term Thermal Resistance
- Exceptional Stability for a Wide Range of Temperature and Frequency Variations
- Chemical Resistance to Acids, Alkalis and Organic Solvents
- Hydrolysis Resistance
- Flame Retardant Properties - NASA Flame Resistance rating of R4 and an LOI rating of 35 (Since it can be incinerated after use, PPS is also being seen as an environmentally friendly fiber.)

PPS fibers are suitable for a range of baghouse filtration applications that include:

- Coal - Fired Boilers
- Municipal Solid Waste Boilers
- BioWaste (Waste to Energy) Boilers
- Smelters / Furnaces
- Calciners / Catalysts

PPS fibers are available in a range of deniers ranging from 2.0, 2.7, 6.0, and 7.0. PPS fibers are very stable in a finished felt form with stability standards at 2% shrink or stretch. These fibers can also be woven into fabrics for shaker and reverse air baghouse, but these occurrences are rare. PPS fibers can operate in a continuous temperature of 375°F (191°C) with an excursion up to 400°F (204°C) before thermal degradation occurs.



Trilobal Fibers



Round Fibers

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Call us today to learn more details about PPS and receive a free quote!

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