

TECHNICAL FABRICS  
BY THE ROLL

# AFFINITY™

FILTER MEDIA

NONWOVEN POLYPHENYLENE  
SULFIDE (PPS)

## PROTECT AGAINST EXTREME HEAT

Polyphenylene Sulfide (PPS) is a high-performing fiber categorized as a thermoplastic polymer known as an engineering plastic.

### KEY BENEFITS



#### FIT FOR MULTIPLE ENVIRONMENTS

Highly suitable for numerous filtration environments.



#### FLAME-RESISTANT

Does not support melting, dripping, or combustion.



#### HIGH-TEMPERATURE RESISTANCE

Supports applications with operating temperatures up to 375°F (190 °C)



#### GOOD CHEMICAL RESISTANCE

Won't deteriorate when exposed to various chemicals and industrial solvents.

### FEATURES

- Highly resistant to chemicals
- Inherently flame and hydrolysis resistant
- Works in liquid filtration applications like belt filter presses
- Good mechanical stability
- 100% virgin premium fibers
- Quality assurance under the strictest protocols to ASTM standards.

### OPTIONS

- Oil Repellent Treatment
- PTFE Finish
- ePTFE Membrane
- Heat Setting
- Calendering
- Singeing
- Anti-Static Treatment
- Scrim
- Slitting
- Sewing
- Welding
- Water Repellent Treatment

### APPLICATIONS

- Industrial Air Filtration
- Industrial Liquid Filtration



**FABRIC  
PROPERTIES**

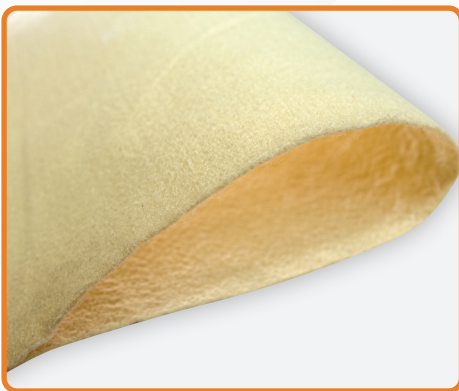
	<b>100% PPS</b>	<b>PPS SLC</b>	<b>PPS SP2</b>
<b>Tensile Strength</b>	Very Good	Very Good	Very Good
<b>Abrasion Resistance</b>	Good	Good	Good
<b>Acid Resistance</b>	Very Good	Very Good	Very Good
<b>Alkali Resistance</b>	Moderate	Good	Good
<b>Oxidation Resistance</b>	Moderate	Good	Good
<b>Operating Temperature</b>	375°F (190°C)	375°F (190 °C)	375°F (190 °C)
<b>Temperature Surges</b>	400°F (205°C)	480°F (250 °C)	480°F (250 °C)
<b>Manufactured Weight Range</b>	10 – 17 oz/yd <sup>2</sup> (339 – 576 g/m <sup>2</sup> )	10 – 17 oz/yd <sup>2</sup> (339 – 576 g/m <sup>2</sup> )	10 – 17 oz/yd <sup>2</sup> (339 – 576 g/m <sup>2</sup> )
<b>Manufactured Thickness Range</b>	0.06”-0.08” (1.7mm – 2.2mm)	0.06”-0.08” (1.7mm – 2.2mm)	0.06”-0.08” (1.7mm – 2.2mm)
<b>Investment</b>	\$\$\$\$	\$\$\$\$\$	\$\$\$\$\$

• SLC = Single Light One Side Calendar

• SP2 = ePTFE Membrane

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GALLERY**



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