



## Filti Face Mask Material Data Sheet

Filti's Face Mask Material is engineered using our patent-pending Nanofiber technology and is highly-efficient (up to 95%) on sub-micron particles, including bacteria and viruses.

### Construction Details:

Filti Face Mask Material is constructed from polypropylene spunbond nonwoven with a Nanofiber fine filtration layer and surface layer of polyester nonwoven.

**Style Number:** 3-Layer lightweight composite  
(NP097) filter media

**Description:** Polypropylene/Nanofiber/Polyester composite filter media

**Finish:** Sonic lamination

### Material Comparison:

When compared, Filti Face Mask Material far exceeds standard cloth and fabric materials in efficiency percentage.

Polyester/Cotton Tights	2.50%
Polyester Dress Shirt	2.50%
Cotton Shirt	9.30%
Polyester/Cotton Sewing Fabric	10.40%
Microfiber Dish Towel	14.50%
<b>Filti Face Mask Material</b>	<b>95.00%</b>

\* Results are the outcome of a single test on a TSI 8130 - they are not guaranteed to be representative of all Filti Mask Material.

Property	Target	Metric	Test Method
<b>Weight</b>	2.06 - 2.36 (70 - 80)	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	ASTM D461
	n/a	lb (lbs/3000ft <sup>2</sup> )	TAPPI 410
<b>Air Permeability</b>	28 - 35	ft <sup>3</sup> /min/ft <sup>2</sup> (cfm) @ .5" H <sub>2</sub> O	ASTM D 737 (U.S.)
	140 - 180	l/dm <sup>2</sup> /min @ 200 Pa	DIN 53887 (Germany)
<b>Thickness</b>	0.040 / 1.00	inches / mms	TAPPI 411
<b>Currugation Depth</b>	n/a	inches / mms	TAPPI 411
<b>MERV Rating</b>	MERV 13+		ASHRAE 52.2
<b>Filtration Rating</b>	Ref. F7	Up to 95% efficient at 0.3 micron at 5.33cm/sec face velocity	TSI 3160
<b>Target Pressure Drop</b>	< 60 pascals	Pascals at 5.33cm/sec face velocity	TSI 3160
<b>Tensile Strength (MD)</b>	n/a	lbs/2"	ASTM D-461
<b>Process Data</b>	Roll length up to 1200 linear meters. Supplied on 76mm or 3.0" ID cores		
<b>Applications</b>	<b>Surgical Face Mask Applications</b>		



If you have any questions, please don't hesitate to contact Filti at:

**913-274-9843**

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### Limitation of Liability

Filti, Inc. will not be liable for any loss or damage coming from this Filti product, whether direct, indirect, special, incidental or consequential. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



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9325 Pflumm Road  
Lenexa, KS 66215

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