

Product Description

Electrospun PVA is an ultrafine mat of polyvinyl alcohol produced by electrospinning. This product is a free standing flexible sheet with microstructural features not available from a bulk material. The fine scale of fiber diameters produces a membrane material with an inherently high surface area to volume ratio. The interconnected irregular shape pores within the fibers largely increases the pore volume (porosity) and accessible surface area. The membrane has a typical thickness of 1 mil (25 microns) and the thickness can easily be adjusted as per customer's specifications. The diameter of the nanofiber can also be adjusted. Because of its non-toxicity, electrospun PVA finds important biomedical applications such as tissue scaffolds, wound dressing, and controlled release of antimicrobial drug. Other applications include air filtration membranes, sound absorption materials, and separator membranes for batteries.

Typical Properties

Color:	White
Size:	11 x 8"
Typical Thickness:	1 mil (25 microns)
Typical Fiber Diameter:	100 – 500 nm
Areal Density:	$4 \times 10^{-4} \text{ g/cm}^2$

