

Adsorb-it® Filtration Fabric Physical Test Results

To understand all the physical properties of the Adsorb-it® filter fabric, and to help in developing other applications, additional physical testing was conducted.

Results of these physical tests are presented in the table below.

Results

Test	Method #	Result	Units
Mass Per Unit Area	ASTM 5261	12.8	oz/yd ²
Grab Tensile LD*	ASTM D4632	118	lbs
Grab Tensile CD*	ASTM D4632	89	lbs
Elongation at Peak LD*	ASTM D4632	131	percent
Elongation at Peak CD*	ASTM D4632	172	percent
Wide Width Tensile LD*	ASTM D4595	33	lbs/in
Wide Width Tensile CD*	ASTM D4595	23	lbs/in
Elongation at Break LD*	ASTM D4595	106	percent
Elongation at Break CD*	ASTM D4595	163	percent
Puncture Resistance	ASTM D4833	72	lbs
Trapezoid Tear Strength LD*	ASTM D4533	64	lbs
Trapezoid Tear Strength CD*	ASTM D4533	45	lbs
Mullen Burst Strength	ASTM D3786	135	psi
Permittivity (Constant Head)	ASTM D4491	2.02	sec-1
Permeability	ASTM D4491	0.72	cm/sec
Flow Rate	ASTM D4491	151	gal/min/ft ²
Apparent Opening Size	ASTM D4751	100-150	mm

*Note: LD=Lengthwise Direction (Machine Direction)

CD=Crosswise Direction (Transverse Direction)