

ADSORBIT® Filtration Fabric Physical Test Results

To understand all the physical properties of the ADSORBIT 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)