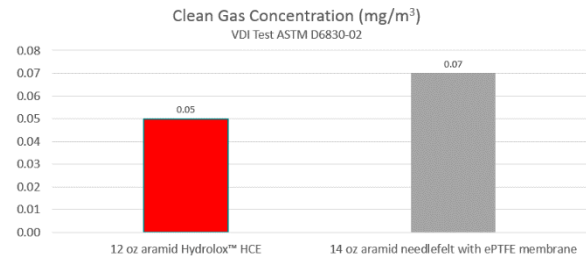
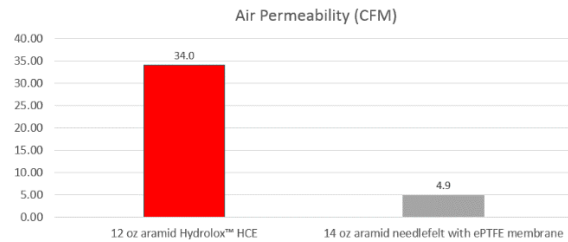


Aramid **Hydrolox® HCE** vs Aramid Needlefelt with ePTFE Membrane

	12 oz aramid Hydrolox™ HCE	14 oz aramid needlefelt with ePTFE membrane
Support	Fiber	Fiber
Weight (oz/yd2)	11.8	15.1
Air Permeability (cfm)	Min: 32 Max: 36	Min: 4.16 Max: 5.61
Thickness (mil)	Min: 78 Max: 85	Min: 78 Max: 84
Mullens Burst (psi)	510	545
Tensile (MD lbf) (Average)	196	327
Tensile (CD lbf) (Average)	305	298
Elongation @ 11.24 lbf (%)	1.7	1.5
Heat Stability (% Shrinkage at 450 F)	1.0	1.0
VDI Test Data: (ASTM D6830-02)		
Total of Abs [mg]	0.6	0.8
Total Efficiency %	99.997	99.996
Total Emissions %	0.003	0.004
Clean Gas Concentration [mg/m³]	0.05	0.07



The property values listed in this specification are determined through statistical sampling from production campaigns and are subject to industry-wide tolerances. Typically, Bondex test protocol requires averaging at least ten representative measurements to produce a reported value, and the company reserves the right to make amendments without notice. Hydrolox® is a registered trademark of Bondex, Inc.