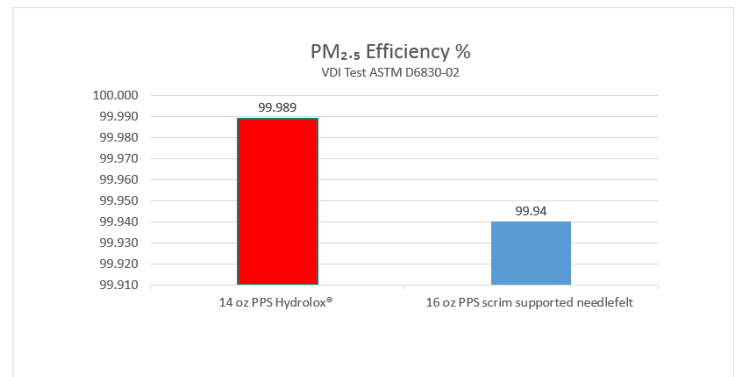
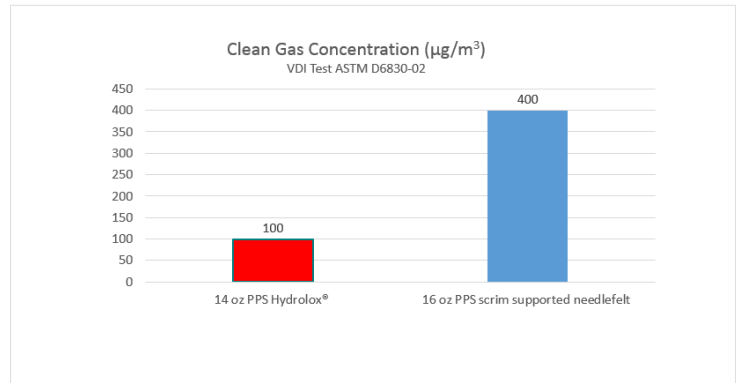


## 14oz/yd<sup>2</sup> PPS **Hydrolox®** vs 16 oz/yd<sup>2</sup> PPS Needlefelt w/ Scrim

	14 oz PPS Hydrolox®	16 oz PPS scrim supported needlefelt
Support	Fiber	Scrim
Weight (oz/yd <sup>2</sup> )	13-15	15-17
Air Permeability (cfm)	Min: 20 Max: 35	Min:20 Max: 40
Thickness (mil)	Min: 55 Max: 70	Min: 60 Max: 80
Mullen Burst (psi) (Minimum)	450	400
Tensile (MD lbf) (Minimum)	180	100
Tensile (CD lbf) (Minimum)	310	100
Elongation @ 11.24 lbf (%)	1	1
Heat Stability (% Shrinkage at 450 F)	2.0	2.0
<b>VDI Test Data: (ASTM D6830-02)</b>		
Total of Abs [mg]	1.1	4.4
PM <sub>2.5</sub> Efficiency %	99.989	99.94
>PM <sub>2.5</sub> Efficiency %	99.996	99.987
Total Efficiency %	99.994	99.976
PM <sub>2.5</sub> Emissions %	0.011	0.060
>PM <sub>2.5</sub> Emissions in %	0.004	0.013
Total Emissions %	0.006	0.024
Clean Gas Concentration [µg/m <sup>3</sup> ]	100	400



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.