BONDEX
Custom Solutions Provider

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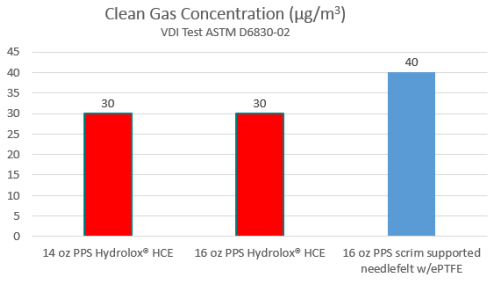
14 oz and 16 oz PPS Hydrolox® HCE vs

16 oz PPS Needlefelt with ePTFE Membrane Scrim Supported

	14 oz PPS Hydrolox® HCE	16 oz PPS Hydrolox® HCE	16 oz PPS scrim supported needlefelt w/ePTFE
Support	Fiber	Fiber	Scrim
Weight (oz/yd2)	13-15	15-17	15-17
Air Permeability (cfm)	Min: 10 Max: 20	Min: 8 Max: 16	Min:4 Max: 8
Thickness (mil)	Min: 45 Max: 60	Min: 55 Max: 65	Min: 60 Max: 80
Mullen Burst (psi) (Minimum)	450	550	400
Tensile (MD lbf) (Minimum)	180	220	100
Tensile (CD lbf) (Minimum)	320	400	100
Elongation @ 11.24 lbf (%)	1	1	1
Heat Stability (% Shrinkage at 450 f	2.0	2.0	2.0
VDI Test Data: (ASTM D6830-02)			
Total of Abs [mg]	0.3	0.3	0.4
$PM_{2.5}$ Efficiency %	100.00	99.99	99.998
>$PM_{2.5}$ Efficiency %	99.998	100.000	99.998
Total Efficiency %	99.998	99.998	99.998
$PM_{2.5}$ Emissions %	0.000	0.007	0.002
>$PM_{2.5}$ Emissions in %	0.002	0.000	0.002
Total Emissions %	0.002	0.002	0.002
Clean Gas Concentration [µg/m³]	30	30	40



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.