

Polyester Hydrolox® versus Hydro-entangled OEM Filter Bag

Bondex offers an alternative to the hydro-entangled polyester filter bag only available from the OEM

Bondex has launched **Hydrolox®**, which is a revolutionary filter media enabled by hydro-entangling technology. One leading dust collector OEM services the market with filter bags made from polyester hydro-entangled fabric which claims improved durability and life over standard needlefelt.

Bondex offers a specially designed 10 oz/yd² polyester **Hydrolox®**, a hydro-entangled fabric engineered to offer filter bag manufacturers and end-users an alternative to the bag offered by the collector OEM. The **Hydrolox®** filtration fabric is available to many of the leading filter bag manufacturers and offers comparable performance to the existing OEM filter bag with an economic advantage.

	Hydrolox® from Bondex POF100HU1H	Polyester bag from leading collector OEM
Fiber	1.5d Polyester	1.5d Polyester
Weight (oz/yd ²)	10	10
Air Permeability (cfm)	33.5	30.1
Thickness (mil)	51	50
Mullens Burst (psi)	400	405
Tensile (MD lbf)	213	213
Tensile (CD lbf)	323	270
Elongation @ 11.24 lbf (%)	0.9	2.1
Heat Stability (% Shrinkage at 300 F)	1.0	0.5
<u>VDI Test Data: (ASTM D6830-02)</u>		
Average Cycle Time [s]	185	174
Total Efficiency %	99.989	99.996
Total Emissions %	0.011	0.004
Clean Gas Concentration [mg/m ³]	0.18	0.07

Interested in exploring how **Hydrolox®** could replace your polyester OEM bags? Please contact us at info@bondexinc.com to discuss how to work with your preferred filter bag supplier to produce bags made with Bondex **Hydrolox®** POF100HU1H and execute a bag test in your application.

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 to specifications without notice. Hydrolox® is a registered trademark of Bondex, Inc.