

BHA® Acid Resistant Filter Media (Max 400° F)

BHA Filtration Technology

The patent pending media from CLARCOR Industrial Air used in fabric filters delivers exceptional resistance to acidic gas stream environments and superior flammability resistance while maintaining excellent filtration properties. This product is offered as an upgrade to traditional aramid filter bags.

The media consists of a proprietary blend of aramid and oxidized polyacrylonitrile (OPAN) staple fibers. OPAN exhibits outstanding chemical and flammability resistance. OPAN is a fiber that has traditionally been utilized in applications such as fire-protective apparel, fire retardant furniture, as well as automotive and aircraft components.

A typical 100% m-aramid filter media retains approximately 10% of its original mullen burst strength (ASTM D751) after acid cycle testing. The CLARCOR Industrial Air proprietary blend retains approximately 70% of its original mullen burst strength following that same test.

The patent pending filter media produces a mid-temperature range filtration solution by blending multiple fiber types to obtain the optimum price/ performance solution for end use.

Filters constructed of this new blended felt media are available exclusively from CLARCOR Industrial Air.



Benefits

- Outstanding flammability resistance
- Operates well in an oxygen rich environment
- Low shrinkage properties
- Good filtration efficiency
- Economical solution for mid-range temperature applications
- Suitable for operating temperatures up to 400°F (204°C)
- Available with additional finish chemistries to improve dustcake release
- Improved chemical resistance over 100% aramid felt media

For more information, please contact your [CLARCOR Industrial Air](#) representative.

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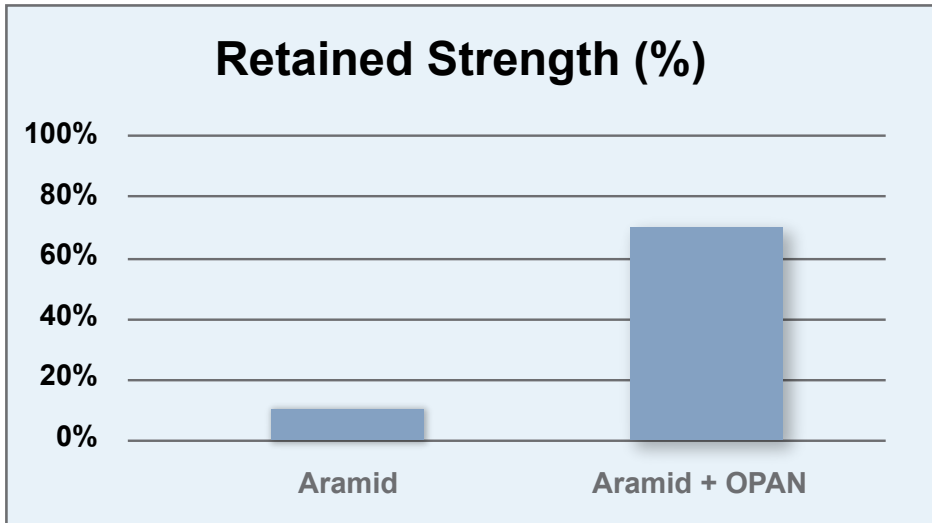
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Felt Acid Resistant Properties



The samples were four cycle tested in a 1N solution of sulfuric acid consisting of a submerge for 5 minutes and heat exposure to 350° F.

Testing: ASTM D751 for mullen burst test values

Felt Options

- PX001 – 14 oz. self-supported aramid + OPAN proprietary blend
- PX002 – 16 oz. self-supported aramid + OPAN proprietary blend

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