

## FLAT SHEET, PLEATED AND SPIRAL-WOUND ACTIVATED CARBON MEDIA



- For water & air filtration.
- Based on unique KX extrusion process.
- A thin, uniform carbon particle laminate that can be spiral wound into finished filters or provided as roll goods.
- Releases the full potential adsorption capacity in a patented extrusion process free of bulking materials.
- Manufactured using FDA-compliant and NSF-approved materials

PLEKX® filtration media are custom-designed to meet the unique requirements of each application. Silicates, alumina, zeolites, activated carbon, catalysts, resins, or combinations of these materials can be incorporated into the PLEKX® structure, in essentially any particle size ( 6 x 16 to 80 x 325 mesh), and in a wide range of basis weights (5 to 1500 grams per square meter) . The resulting filter medium provides a compact adsorbent structure that is thin and pleatable, highly permeable, and extremely economical.

PLEKX® filters can use any common substrate for support including: wet-laid or dry-laid cellulosic; polypropylene polyester, or nylon spunbonded materials; fragile melt-blown or electret layers; lofted air-laid, carded or needle punched media; impermeable substrates such as metal foil, cardboard, mylar or other plastics; microporous membranes; or whatever unique material is required for the application.

PLEKX® filter media are available in widths up to 72" and in rolls up to 32" in diameter. Alternatively, KX Industries will provide slitting, sheeting, die cutting, pleating, and edge sealing services to provide complete filter packs.

### WATER FILTRATION MEDIA:

#### NO CELLULOSE:

PLEKX® water filters are manufactured using 100% synthetic materials. There is no cellulose to react with chlorine or to support bacterial growth.

#### HIGH INTEGRITY:

PLEKX® water filters do not channel, bypass, fluidize, or unload carbon fines like ordinary loose GAC filters.

#### QUALITY:

KX Industries has the most comprehensive quality control system in the world to ensure the integrity and quality of PLEKX® filters, including a three-tiered program of raw ingredient, flat-sheet filter medium, and complete filter testing. Over 40 different quality control tests are used to support PLEKX® production.

### AIR FILTRATION MEDIA:

- Custom designs to meet specific applications.
- Wide variety of extruded media or combinations of media available (impregnated activated carbon, silicates, alumina, zeolites, etc.)
- Wide variety of basis weights (5-1500gms/m<sup>2</sup>)
- Wide variety of supporting substrates / cover sheets (wet-laid / drylaid cellulosic, polypropylene, polyester, nylon, etc.)
- Available in slit widths up to 72" and 32" diameter rolls.
- Slitting, sheeting, die cutting, pleating and edge sealing services available.

PLEKX is a registered trademark of KX Industries, L.P.