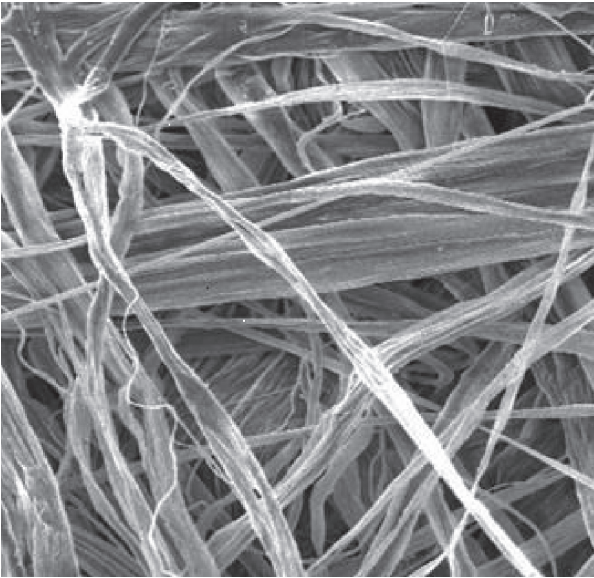


# DuPont™ Flashspun HDPE Filtration Media

FOR A VARIETY OF PROCESS APPLICATIONS

**Nonwoven media composed of thermally bonded high-density polyethylene (HDPE) fibers.**



**Low Linting** — won't contaminate the effluent stream

**Superior Strength** — enables the use of a single layer without a support structure unlike many microporous and polytetrafluoroethylene (PTFE) membranes

**Dimensional Stability** — maintains its shape wet or dry, even under high pressure

**Chemical Resistant** — to most acids, bases, salts and reducing agents

**Smooth Surface** — offers excellent cake release

**Versatile** — can be slit, pleated, coated, sewn, heat-sealed or glued

**Sterilizable Style** — to Radiation, Gamma, e-beam, and Steam — under controlled conditions

## DuPont™ Flashspun HDPE Filtration Media

DuPont has been in the science business for over 200 years and we have focused our expertise to deliver a line of high-density polyethylene (HDPE) Filtration Media to support your needs. Our media is engineered with fine fibers that result in submicron pores creating a tortuous filtration path. This complex filtration path results in excellent dirt-holding capacity allowing particles to be separated down to 0.3 microns.

DuPont high-density polyethylene filtration media is made by a flashspun process that forms a very fine network of random filaments which are consolidated by a multi-state bonding process. This allows a high liquid efficiency at a nominal rating of about 1 micron, even though its typical mean flow pore size is 2 microns.

Filtration performance, processability in manufacturing environments and reliable supply are key considerations that impact the success and profitability of your products. Whether you are creating new filtration products or improving existing ones, the choice of which media to use is an important one. DuPont™ Flashspun HDPE Filtration Media is an alternative with cost effective performance in new and existing applications.

## Finished filter and stand alone filter media for a variety of potential applications including:

- **Pleated or stand alone filter cartridges for potable water, food, beverage, and chemical applications requiring 1–5 micron rating**
- **Prefilters for Reverse Osmosis and Ultrafiltration**
- **Sock and tubular configurations for chemical processes and wastewater**
- **Solutions for dewatering of dyestuffs, pigments, removing heavy metal from wastewater, wastewater sludge, solid purification and mining ore purification (froth flotation)**



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**Six commercial Filtration styles are currently available.**

**Call us to discuss how Flashspun HDPE could meet your specific filtration needs.**

**Typical Material Properties**

| Material Properties       | Units            | Test Method | HDPE SoloFlo™ | HDPE 1025D | HDPE 1058D | HDPE 1059B* | HDPE 1073B* | HDPE 1085D |
|---------------------------|------------------|-------------|---------------|------------|------------|-------------|-------------|------------|
| Basis Weight              | osy              | ASTM D3776  | 1.2           | 1.3        | 1.6        | 1.9         | 2.2         | 3.2        |
| Thickness                 | mils at 7.15 psi | ASTM D1777  | 5             | 5          | 6          | 7           | 7           | 11         |
| Mean Pore Size**          | microns          | ASTM E1294  | 2             | 2          | 2          | 2           | 2           | 2          |
| Grab Tensile Strength, MD | lb <sub>f</sub>  | ASTM D5034  | 52            | 40         | 68         | 79          | 96          | 104        |
| Grab Tensile Strength, CD | lb <sub>f</sub>  | ASTM D5034  | 63            | 57         | 78         | 98          | 102         | 103        |
| Gurley Hill Porosity      | sec/100cc        | ISO 5636    | 5             | 32         | 30         | 22          | 22          | 36         |
| Bubble Point**            | microns          | ASTM E1294  | 8             | 8          | 8          | 7           | 7           | 5          |
| Mullenburst               | psi              | ASTM D3786  | 96            | 78         | 119        | >120        | >120        | >120       |

\*CFR 21 part 177.1520 certified.

\*\*Wetting agent is Galwick™.

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