



High Standards. Higher Performance. Highest Temperatures.

# HuyFlex® 4405M from Filtration Specialties, Inc.

## Specifications

### An Ultra-life High Temperature Composite Filtration Media

**HuyFlex 4405M** is an engineered composite high temperature filter media. Materials of differing functionality are layered so that the properties of the composite are optimized. Profilen® PTFE yarn is arranged around the circumference of the bag to provide superior abrasion resistance, long flex life and a wide-angle bending radius. Fiberglass yarns are used along the length of bag to provide dimensional stability. A layer of felted glass fibers coated with silicone and then PTFE resin are added to provide a smooth, dimensionally stable filtration and/or lamination surface. An expanded PTFE membrane can be added as an option for use up to 500°F (260°C) depending on the application.

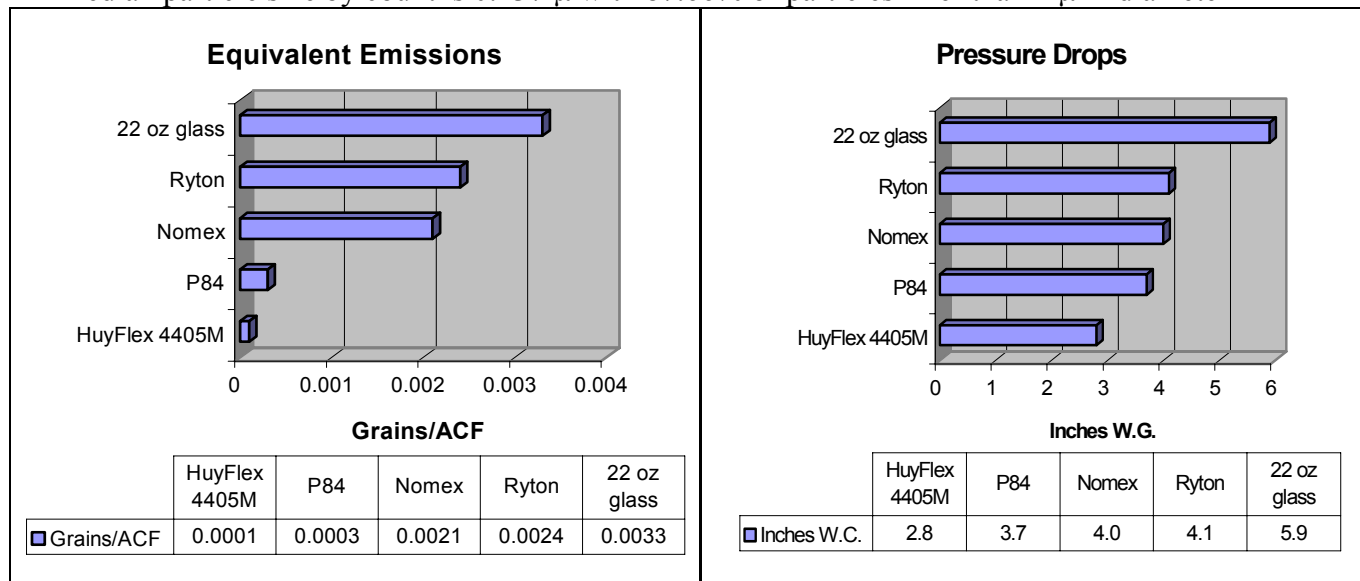
Here is comparative data showing how **HuyFlex 4405M** compares with another media promoted as a long-flex life media, SuperFlex® from W.L. Gore. We believe the test data speaks for itself.

#### HuyFlex vs. SuperFlex comparison

	SuperFlex®	HuyFlex 4405
MIT Cycles - Fill	274,000	1,273,000
MIT Cycles - Warp	36,000	197,000

#### Test Results

- Circulating Fluidized Bed Boiler Dust loaded at 3 Grains/ACF and an A/C ratio of 4.5:1
- Median particle size by count is 0.437 μ with 87.66% of particles finer than 1 μ in diameter



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- Base scrim PTFE weft yarns with Fiberglass warp yarns
- Batt fiber 100% Fiberglass
- Chemical resistant finish Silicone-based resin on scrim yarns / PTFE on felt fibers
- Nominal weight 19 oz/yd<sup>2</sup> (575 g/m<sup>2</sup>)

We design and manufacture high performance filtration media for high temperature applications.

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➤ Permeability  $7 \pm 2 \text{ ft}^3/\text{min} @ 0.5'' \text{ w.c.}$

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