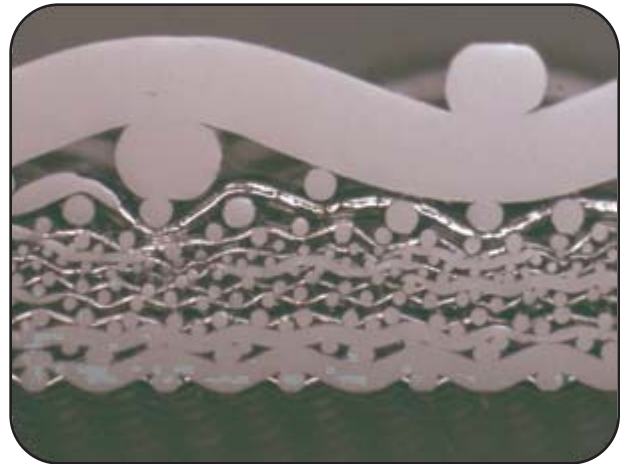


**Poroplate®** laminates are multilayer composites of selected wire cloths, perforated sheets and fiber metal felts permanently bonded together through a proprietary diffusion bonding process. The material that results has far greater strength, abrasion resistance and filtration characteristics that can be obtained from a single layer of fine mesh.

Purolator Facet Inc. originally invented **Poroplate®** laminates and has been manufacturing this material for over 40 years. This experience enables us to supply standard and custom products to users worldwide.



**STANDARD FEATURES:**

- High strength
- No media migration
- Continuous operating temperature range of -50°C to 550°C (-65°F to 1000°F)
- Stainless steel construction
- Corrosion resistant
- Filtration from 2 microns to 200 microns
- Custom configurations including layers of perforated plate, fiber metal felts and photoetched foil
- Abrasion resistant
- Easily fabricated into virtually any shape, size, or configuration
- Precise pore size distributions and fluid flow permeability
- Dimensionally stable
- Excellent weldability
- Easily cleaned
- Most standard sheets in stock for immediate delivery

**APPLICATIONS:**

**FILTRATION**

- Polymers
- Food & Beverages
- Hot gases
- Chemicals
- Pharmaceuticals & Cosmetics
- Hydraulic oils & fuels
- Water

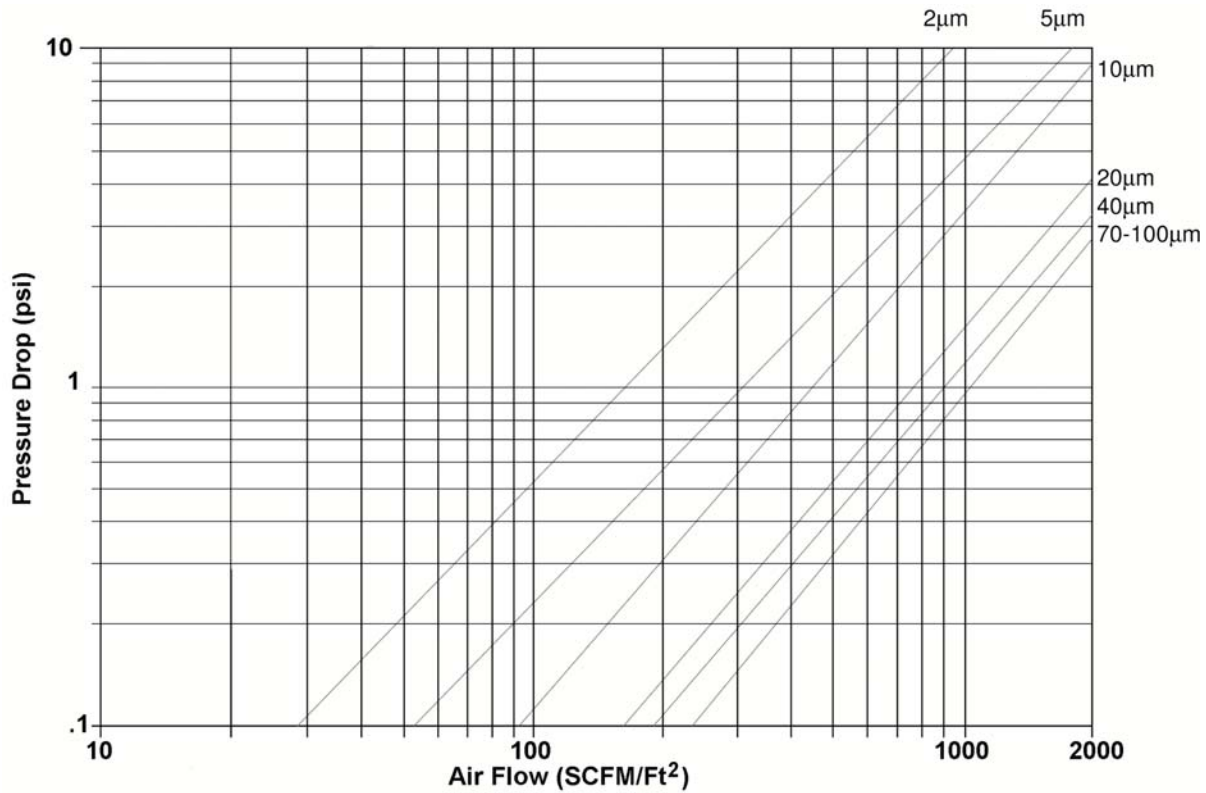
**FLUIDIZING**

- Gravity conveyors
- Railroad cars
- Bulk product transporters
- Storage silos
- Dryers & coolers

**GENERAL**

- Noise suppression
- Transpiration cooling
- Orthodontics
- Surgical prostheses & implants
- Heat transfer
- Architectural design

# MEDIA CHARACTERISTICS:

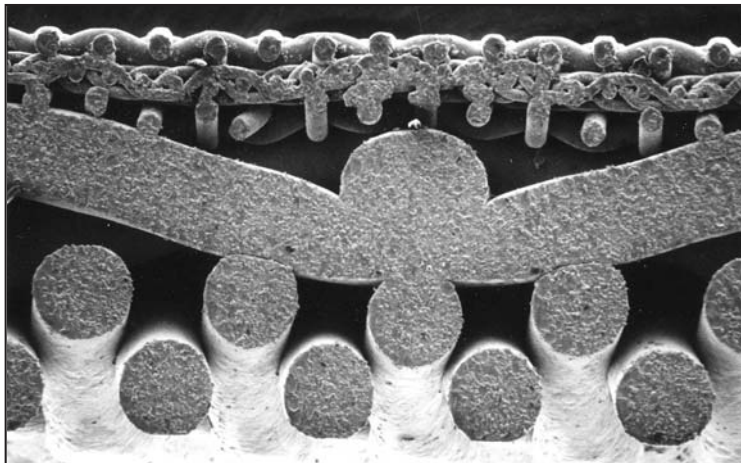


## Micron Ratings for Poromet™ Elements

Nominal	Absolute	Poromet™ Designation
2	10	-10
10	20	-20
20	40	-40
40	70	-70
70	100	-100
100	150	-150

## Standard 5-Layer Poroplate® Laminates

Nominal Micron	UNS 530403 (304L)	UNS 531603 (316L)
2	056016-00	056016-20
5	056016-01	056016-21
10	056016-02	056016-22
20	056016-03	056016-23
40	056016-04	056016-24
75	056016-05	056016-25
100	056016-06	056016-26



Protective guard layer  
 Fine mesh for exacting particle size control  
 Flow distribution layer  
 Two (2) coarse back-up layers for strength & rigidity

**PUROLATOR FACET, INC.**

[www.purolator-facet.com](http://www.purolator-facet.com)

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