### Mott Porous Metal Data Sheet

**Media Grade:** 100  
**Type:** Pressed Disc  
**Alloy:** 316LSS  
**Thickness:** 0.125 inches

**Issued:** 06/25/10

### Manufacturing Specifications
- **Bubble Point, inch water:** 0.5 - 1.5
- **Minimum Tensile, kpsi:** 1.1
- **Yield Strength, kpsi:** 0.9
- **Young’s Modulus, x 10^6 psi:** 1.3

### Permeability Coefficient
- **Liquid, \( K_L \):** 0.045
- **Gas, \( K_G \):** 0.50

**Liquid: Pressure Drop, psid =**  
\((K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})\)

**Gas: Pressure Drop, psid =**  
\((K_G)(\text{Flux, acfm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})\)

### Particle Removal Efficiency
- **Liquid Efficiency:**  
  - 90% at 45 µm  
  - 99% at 95 µm  
  - 99.9% at 140 µm

- **Air Efficiency:**  
  - Tested at flux of 6 acfm/ft²
  - 90% at 18 µm  
  - 99% at 35 µm  
  - 99.9% at 90 µm

### Notes:
1. Tests run at 70 °F
2. Tests run with water, other curves generated using Liquid Formula

### Notes:
1. Tests run with air at 70 °F
2. Tests run with upstream pressure exhausting to atmosphere

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*Flow Characteristics on these data sheets are typical and should be used for general reference only.*