### Mott Porous Metal Data Sheet

**Media Grade:** 40  
**Type:** Rolled Sheet  
**Alloy:** 316LSS  
**Thickness:** 0.078 inches

#### Manufacturing Specifications
- Bubble Point, inch water: 2.5 - 4.0
- Minimum Tensile, kpsi: 4.0
- Yield Strength, kpsi: 3.5
- Young’s Modulus, x 10^6 psi: 1.9

#### Permeability Coefficient
- Liquid: $K_L = 0.30$
- Gas: $K_G = 2.9$

#### Particle Removal Efficiency
- Liquid Efficiency:  
  - 90% at 25 µm
  - 99% at 35 µm
  - 99.9% at 45 µm
- Air Efficiency:  
  - 90% at 12 µm
  - 99% at 25 µm
  - 99.9% at 45 µm

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### Flow Characteristics

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

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

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**Notes:**
1. Tests run at 70 °F
2. Tests run with water, other curves generated using $K_L$

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**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.