### Mott Porous Metal Data Sheet

**Media Grade:** 0.2  
**Type:** Iso Pressed Tube  
**Alloy:** 316LSS  
**Inside Diameter:** 0.375 inches  
**Outside Diameter:** 0.500 inches  
**Issued:** 06/25/10

#### Manufacturing Specifications
- **Bubble Point, inch of Hg:** 5.0 - 6.9
- **Minimum Tensile, kpsi:** 23.4
- **Yield Strength, kpsi:** 21.6
- **Young's Modulus, x 10^6 psi:** 11.5

#### Permeability Coefficient
- **Liquid, \(K_L\):** 57
- **Gas, \(K_G\):** 620

**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:** Testing per ASTM F795  
  - 90% at 0.4 µm
  - 99% at 0.8 µm
  - 99.9% at 1.2 µm

- **Air Efficiency:** Tested at flux of 6 acfm/ft²  
  - >90% for all particle sizes
  - >99% for all particle sizes
  - >99.9% for all particle sizes

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

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