**Mott Porous Metal Data Sheet**

**Media Grade:** 100  
**Type:** Pressed Cups  
**Alloy:** 316LSS  
**Outer Diameter:** 0.5 inches  
**Inner Diameter:** 0.250 inches  
**Length:** 1.0 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, $K_L$: 0.15
- Gas, $K_G$: 0.70

**Particle Removal Efficiency**
- Liquid Efficiency: Testing per ASTM F795  
  - 90% at 45 µm  
  - 99% at 90 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

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

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**Flow Characteristics**

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

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**Notes:**
1. Tests run with air 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.*