**Mott Porous Metal Data Sheet**

**Media Grade:** 5  
**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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bubble Point, inch water</td>
<td>13.0 - 16.9</td>
</tr>
<tr>
<td>Minimum Tensile, kpsi</td>
<td>9.5</td>
</tr>
<tr>
<td>Yield Strength, kpsi</td>
<td>6.8</td>
</tr>
<tr>
<td>Young's Modulus, x 10^6 psi</td>
<td>3.7</td>
</tr>
</tbody>
</table>

### Permeability Coefficient

- **Liquid:** $K_L$  
- **Gas:** $K_G$

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

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

### Particle Removal Efficiency

- **Liquid Efficiency**
  - 90% at 4.5 µm
  - 99% at 7 µm
  - 99.9% at 11 µm

- **Air Efficiency**
  - Tested at flux of 6 acfm/ft²
  - 90% at 0.5 µm
  - 99% at 1.3 µm
  - 99.9% at 3.5 µm

### Notes:

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

### Flow Characteristics

- **Liquid Flow, gpm/ft²**
  - Pressure Drop, psid

- **Air Flow, acfm/ft²**
  - Pressure Drop, psid

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