### Manufacturing Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bubble Point, inch water</td>
<td>4.5 - 7.0</td>
</tr>
<tr>
<td>Minimum Tensile, kpsi</td>
<td>5.7</td>
</tr>
<tr>
<td>Yield Strength, kpsi</td>
<td>5.0</td>
</tr>
<tr>
<td>Young's Modulus, x 10^6 psi</td>
<td>2.5</td>
</tr>
</tbody>
</table>

### Permeability Coefficient

<table>
<thead>
<tr>
<th>Type</th>
<th>Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>0.35</td>
</tr>
<tr>
<td>Gas</td>
<td>4.7</td>
</tr>
</tbody>
</table>

**Liquid: Pressure Drop, psid = (K_L)(Flux, gpm/ft²)(Visc, cp)(Thck, inch)**

**Gas: Pressure Drop, psid = (K_G)(Flux, acfm/ft²)(Visc, cp)(Thck, inch)**

### Particle Removal Efficiency

#### Liquid Efficiency

- 90% at 20 µm
- 99% at 25 µm
- 99.9% at 35 µm

#### Air Efficiency

- 90% at 8 µm
- 99% at 12 µm
- 99.9% at 20 µm

### Notes:

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

### Flow Characteristics

**Equations:**

- **Liquid Flow, gpm/ft²:**
  - Pressure Drop, psid = (K_L)(Flux, gpm/ft²)(Visc, cp)(Thck, inch)

- **Air Flow, acfm/ft²:**
  - Pressure Drop, psid = (K_G)(Flux, acfm/ft²)(Visc, cp)(Thck, inch)

**Notes:**

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

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Mott Porous Metal Data Sheet

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