### Manufacturing Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bubble Point, inch water</td>
<td>7.5 - 10.9</td>
</tr>
<tr>
<td>Minimum Tensile, kpsi</td>
<td>5.0</td>
</tr>
<tr>
<td>Yield Strength, kpsi</td>
<td>3.7</td>
</tr>
<tr>
<td>Young’s Modulus, x 10^-6 psi</td>
<td>2.9</td>
</tr>
</tbody>
</table>

### Permeability Coefficient

<table>
<thead>
<tr>
<th>Medium</th>
<th>Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>K_L = 0.45</td>
</tr>
<tr>
<td>Gas</td>
<td>K_G = 8.7</td>
</tr>
</tbody>
</table>

### Particle Removal Efficiency

#### Liquid Efficiency

- 90% at 10 µm
- 99% at 15 µm
- 99.9% at 20 µm

#### Gas Efficiency

- Tested per ASTM F795
- Tested at 1 gpm/ft²

### Air Efficiency

- 90% at 4.5 µm
- 99% at 8 µm
- 99.9% at 13 µm

### Notes:

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

#### Flow Characteristics

- 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)

### Diagrams

- Graph showing pressure drop vs. liquid flow
- Graph showing pressure drop vs. air flow

### Notes:

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

---

**Mott Porous Metal Data Sheet**

Media Grade: 10  
Type: Pressed Disc  
Alloy: 316LSS  
Thickness: 0.062 inches  

---

**Mott Corporation**

84 Spring Lane, Farmington, CT 06030-3159  
860-747-6333 Fax 860-747-6739  
www.mottcorp.com

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