### Mott Porous Metal Data Sheet

**Media Grade:** 40  
**Type:** Pressed Cups  
**Alloy:** 316LSS  
**Outer Diameter:** 0.5 inches  
**Inner Diameter:** 0.250 inches  
**Length:** 1.0 inches

<table>
<thead>
<tr>
<th>Manufacturing Specifications</th>
<th>Permeability Coefficient</th>
<th>Particle Removal Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bubble Point, inch water</td>
<td>Liquid, $K_L$ 0.30</td>
<td>Testing per ASTM F795</td>
</tr>
<tr>
<td>Minimum Tensile, kpsi</td>
<td>Gas, $K_G$ 1.7</td>
<td>Tested at 1 gpm/ft²</td>
</tr>
<tr>
<td>Yield Strength, kpsi</td>
<td></td>
<td>90% at 22 µm</td>
</tr>
<tr>
<td>Young’s Modulus, $x 10^6$ psi</td>
<td></td>
<td>99% at 32 µm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.9% at 40 µm</td>
</tr>
</tbody>
</table>

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

**Gas: Pressure Drop, psid** =  
(K₉)(Flux, acfm/ft²)(Visc, cp)(Thck, inch)

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

**Air Efficiency**  
90% at 10 µm  
99% at 20 µm  
99.9% at 40 µm

**Notes:**  
1 - Tests run with air 70 °F  
2 - Tests run with upstream pressure exhausting to atmosphere

---

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