# Mott Porous Metal Data Sheet

<table>
<thead>
<tr>
<th>Media Grade:</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Pressed Disc</td>
</tr>
<tr>
<td>Alloy:</td>
<td>316LSS</td>
</tr>
<tr>
<td>Thickness:</td>
<td>0.125 inches</td>
</tr>
</tbody>
</table>

## Manufacturing Specifications
- Bubble Point, inch water: 5.0 - 7.0
- Minimum Tensile, kpsi: 4.5
- Yield Strength, kpsi: 2.9
- Young’s Modulus, x 10^6 psi: 2.3

## Permeability Coefficient
- Liquid, $K_L$: 0.22
- Gas, $K_G$: 3.8

## Particle Removal Efficiency
- **Liquid Efficiency** Testing per ASTM F795
  - 90% at 18 µm
  - 99% at 22 µm
  - 99.9% at 30 µm

- **Air Efficiency** Tested at flux of 6 acfm/ft²
  - 90% at 5 µm
  - 99% at 9 µm
  - 99.9% at 15 µm

## Flow Characteristics

**Liquid: Pressure Drop, psid**

\[
(K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})
\]

**Gas: Pressure Drop, psid**

\[
(K_G)(\text{Flux, acfm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})
\]

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

### Flow Characteristics

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