Mott Porous Metal Data Sheet

| Media Grade: | 2 |
| Type:       | Pressed Disc |
| Alloy:      | 316LSS |
| Thickness:  | 0.062 inches |

### Manufacturing Specifications
- Bubble Point, inch water: 17.0 - 24.0
- Minimum Tensile, kpsi: 12.8
- Yield Strength, kpsi: 7.2
- Young’s Modulus, x 10^6 psi: 5.1

### Permeability Coefficient
- **Liquid**: $K_L$ 1.5
- **Gas**: $K_G$ 24

**Liquid: Pressure Drop, psid =**

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

**Gas: Pressure Drop, psid =**

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

### Particle Removal Efficiency
- **Liquid Efficiency**
  - 90% at 4 µm
  - 99% at 5.5 µm
  - 99.9% at 9 µm
  - Testing per ASTM F795
  - Tested at 1 gpm/ft²

- **Air Efficiency**
  - 90% at 0.3 µm
  - 99% at 0.6 µm
  - 99.9% at 2 µm
  - Tested at flux of 6 acfm/ft²

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

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

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