Mott Porous Metal Data Sheet

Media Grade: PDS - 3
Type: Rolled Sheet
Alloy: 316LSS
Thickness: 0.028 inches

Issued: 06/25/10

Manufacturing Specifications
Bubble Point, inch of Hg 3.0 - 3.9
Minimum Tensile, kpsi 21.0
Yield Strength, kpsi 19.0
Young’s Modulus, x 10^6 psi 9.5

Permeability Coefficient
Liquid, K_L 11.5
Gas, K_G 160

Particle Removal Efficiency

- Liquid Efficiency Testing per ASTM F795
  - 90% at 1.2 µm
  - 99% at 1.9 µm
  - 99.9% at 2.8 µm

- Air Efficiency Tested at flux of 6 acfm/ft^2
  - >90% for all particle sizes
  - 99% at 0.3 µm
  - 99.9% at 0.5 µm

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

- Liquid: Pressure Drop, psid = (K_L)(Flux, gpm/ft^2)(Visc, cp)(Thck, inch)
- Gas: Pressure Drop, psid = (K_G)(Flux, acfm/ft^2)(Visc, cp)(Thck, inch)

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

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