Mott Porous Metal Data Sheet

Media Grade: 0.5
Type: Pressed Disc
Alloy: 316LSS
Thickness: 0.125 inches

Manufacturing Specifications
Bubble Point, inch of Hg 3.0 - 3.9
Minimum Tensile, kpsi 21.1
Yield Strength, kpsi 11.5
Young’s Modulus, x 10^6 psi 8.3

Permeability Coefficient
Liquid, K_L 6.0
Gas, K_G 170

Particle Removal Efficiency
Liquid Efficiency Testing per ASTM F795
90% at 0.8 μm
99% at 1.4 μm
99.9% at 1.8 μm

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

Air Efficiency Tested at flux of 6 acfm/ft²
>99.9% for all particle sizes

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

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