**Media Grade:** 10  
**Type:** Pressed Cups  
**Alloy:** 316LSS  
**Outer Diameter:** 0.5 inches  
**Inner Diameter:** 0.250 inches  
**Length:** 1.0 inches

### Manufacturing Specifications
- **Bubble Point, inch water:** 7.5 - 10.9
- **Minimum Tensile, kpsi:** 5.0
- **Yield Strength, kpsi:** 3.7
- **Young's Modulus, x 10^6 psi:** 2.9

### Permeability Coefficient
- **Liquid, \( K_L \):** 0.56
- **Gas, \( K_G \):** 7.0

**Liquid: Pressure Drop, psid =**
\[
(K_L)(Flux, \text{ gpm/ft}^2)(Visc, \text{ cp})(Thck, \text{ inch})
\]

**Gas: Pressure Drop, psid =**
\[
(K_G)(Flux, \text{ acfm/ft}^2)(Visc, \text{ cp})(Thck, \text{ inch})
\]

### Particle Removal Efficiency
- **Liquid Efficiency:** Testing per ASTM F795  
  - 90% at 9 µm  
  - 99% at 14 µm  
  - 99.9% at 18 µm

- **Air Efficiency:** Tested at flux of 6 acfm/ft²  
  - 90% at 3.5 µm  
  - 99% at 6 µm  
  - 99.9% at 10 µm

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

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