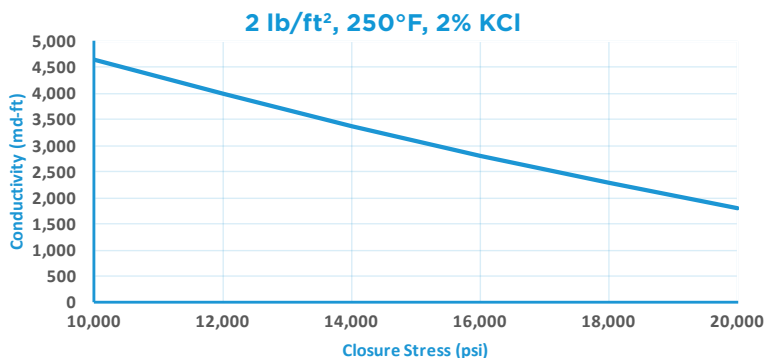


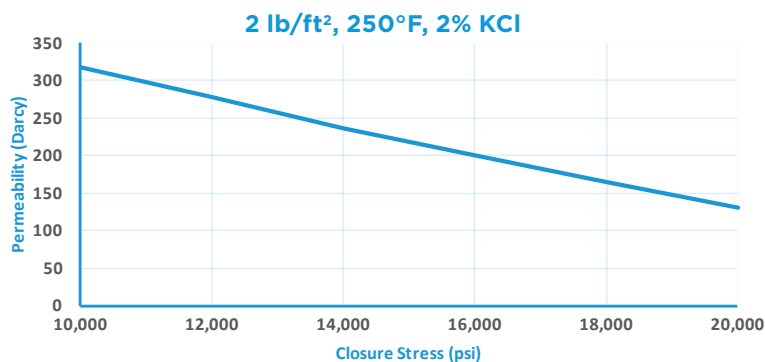
Reference Conductivity (md-ft), 250°F

| Closure Stress (psi) | Conductivity, 2lb/ft ² |
|----------------------|-----------------------------------|
| 10,000 | 4,640 |
| 12,000 | 4,000 |
| 14,000 | 3,370 |
| 16,000 | 2,800 |
| 18,000 | 2,300 |
| 20,000 | 1,795 |



Reference Permeability (Darcies), 250°F

| Closure Stress (psi) | Permeability, 2lb/ft ² |
|----------------------|-----------------------------------|
| 10,000 | 317 |
| 12,000 | 278 |
| 14,000 | 237 |
| 16,000 | 200 |
| 18,000 | 165 |
| 20,000 | 131 |



Physical Properties

| | | | |
|---|-------------------------------------|---------------------|---------------------|
| Specific Gravity | 3.65 | | |
| Bulk Density | 2.19 g/cc (137 lb/ft ³) | | |
| Absolute Volume | 0.0328 gal/lb | | |
| Acid Solubility, % | 2.8 | | |
| Roundness/Sphericity (Krumbein & Sloss) | 0.9/0.9 | | |
| Crush Resistance at Stress (%) | 0.6 (10,000 psi) | 2.8 (15,000 psi) | 6.0 (20,000 psi) |
| Median Particle Diameter | 0.74 mm | | |

All materials are tested in accordance with API RP-19C & D standards.



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