



300 S. Dayton St. Davison, MI 48423 · 800-521-1283 · 810-653-9626 · Fax 810-653-8714

QwikSeal Technical Data Sheet

Gasket: SBR Rubber Conforming to ASTM C 923

| <u>Property</u> | <u>Requirement</u> | <u>Typical Value</u> | <u>Test Method</u> |
|---|---------------------------|-----------------------------|---------------------------|
| Specific Gravity (g/cc) | - | 1.19 | ASTM D 297 |
| Hardness (Shore A) | 50-75 | 51 | ASTM D 2240 |
| Tensile Strength (psi) | 1000 | 1590 | ASTM D 412 |
| Elongation at Break (%) | 200 | 660 | ASTM D 412 |
| Tear Strength (ppi) | - | 192 | ASTM D 624 |
| Water Absorption (% Δ in Wt. Max) | 20 | + 8.23 | ASTM D 471 |
| Chemical Resistance (48h at 23°C) | | | ASTM D 543 |
| 1 N Sulfuric Acid Absorption | no wt. loss | +.3 | |
| 1 N Hydrochloric Acid Absorption | no wt. loss | +3.3 | |
| Compression Set (% Δ Max) | | 19.2 | ASTM D 395 |
| Heat Aging (96 h at 70°C) | | | ASTM D 573 |
| Δ in Hardness (Shore A) | +10 | +3 | |
| Tensile Strength (% Δ Max) | - 25 | - 21 | |
| Elongation at Break (% Δ Max) | - 35 | - 27 | |
| Ozone Resistance | | | ASTM D 1149 |
| 50pphm, 100 h at 40°C, 20% elongation | no cracks | no cracks | |



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Clamp:

- Conforms to the Requirements of SAE J1508 Type HD
- All Components Constructed of 316 Stainless Steel Conforming to ASTM A 240/A 240M
- The Housing is of Two Piece Construction, Mechanically Locked to the Band
- Installation Torque of 60"lbs., Ultimate Torque at Failure 150"lbs.

Performance Tests:

- QS-4, QS-6, QS-8, QS-4S40, QS-6S40:
 - Tested to the Performance Requirements of Section 7 of ASTM C 923
 - 7.2.1 "Straight Alignment" – Connecting Pipe of Appropriate Diameter to a 24" Diameter Manhole Base, 13psi Hydrostatic Pressure, 10 Minutes, No Leaks
 - 7.2.2 "Axial Deflection" – Connecting Pipe of Appropriate Diameter to a 24" Diameter Manhole Base, Axial Deflection 7°, 10psi Hydrostatic Pressure, 10 Minutes, No Leaks
 - 7.2.3 "Shear Load" – Connecting Pipe of Appropriate Diameter to a 24" Diameter Manhole Base, 150lb Load/Nominal Inch of Pipe ID, 10psi Hydrostatic Pressure, 10 Minutes, No Leaks
- QS-4, QS-4S40: Hydrostatically Tested to 5psi for 30 Minutes with no Leakage Installed in 8" and Larger Concrete, Clay, and Plastic Pipe
- QS-6, QS-6S40: Hydrostatically Tested to 5psi for 30 Minutes with no Leakage Installed in 10" and Larger Concrete, Clay, and Plastic Pipe
- QS-8: Hydrostatically Tested to 5psi for 30 Minutes with no Leakage Installed in 15" and Larger Concrete, Clay, and Plastic Pipe

Installation:

- QS-4 Connects 4" SDR-35 Pipe to 8" and Larger Concrete, Clay, or Plastic
- QS-6 Connects 6" SDR-35 Pipe to 10" and Larger Concrete, Clay, or Plastic
- QS-8 Connects 8" SDR-35 Pipe to 15" and Larger Concrete, Clay, or Plastic
- QS-4S40 Connects 4" SCH 40 PVC to 8" and Larger Concrete, Clay, or Plastic
- QS-6S40 Connects 6" SCH 40 PVC to 10" and Larger Concrete, Clay, or Plastic