Mission Rubber Company LLC
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Tensile Strength
Elongation
Durometer (Shore A)
Accelerated Aging
Compression Set
Oil Immersion
Ozone Cracking
Tear Resistance
Water Absorption

GASKET PHYSICAL TESTS (ASTM C 564)

1500 PSI minimum
250% minimum
70 ± 5 @ 76˚F ± 5˚F
deterioration. 10 points maximum increase in hardness.
15% maximum after 22 hours at 158˚F
80% maximum volume change after immersion in ASTM oil #3 for 70 hours at 212˚F
No visible cracking at 2X magnification of the gasket after 100 hours exposure in 1.5 PPM ozone concentration at 100˚F.
Testing and inspection to be on gasket which is loop-mounted to give approximately 20% elongation of outer surface.

Die C 150 lbs. minimum per inch of thickness
20% maximum by weight after 7 days at 158˚F

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Water Absorption
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Joint Movement Restraint - The Band-Seal® Specialty Coupling provides for superior load bearing control between the coupling and pipe surface. The coupling's rugged construction provides excellent sealing properties, and the stainless steel shield offers excellent resistance to shear forces and helps with alignment, while maintaining flexibility.

Internal Pipe Stop - For proper pipe positioning and noise/vibration reduction.

Pre-Set Calibration - All Band-Seal® Specialty Couplings are designed to be installed with a pre-set torque wrench calibrated to 60 in/lbs. maximum to accommodate the 305 series stainless steel 7/64” hex head screw.

Used to Join - TWC Series couplings are used to join thinwall plastic to cast iron. TWP Series couplings are used to join thinwall plastic to plastic, steel or extra-heavy cast iron.

Mission's Band-Seal® Specialty Coupling is a shielded transition coupling designed to connect similar and dissimilar pipe sizes and materials. Coupling consists of two (2) or four (4) 301 series stainless steel worm drive clamps, a 300 series stainless steel shield over a molded one-piece elastomeric sealing gasket. TWC & TWP Series couplings are available in sizes 3” to 4”, which utilize two (2) clamps.

Leak-Proof Seal - Stainless steel clamps provide a positive seal when properly tightened to 60 in/lbs. of torque. Sealing "O"Rings are installed under each sealing clamp to prevent pipe slippage and create a more positive seal, ensuring a water-tight, leak-proof and root-proof seal.

Corrosion Resistant - 300 series stainless steel components provide highly effective corrosion resistance in a variety of environments.

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