PRODUCT FEATURES and **SPECIFICATIONS** (ALL INERTEX[®] PRODUCTS)

Operating Parameters

Temperature Range	-450° F to +600° F
Pressure Range	Full vacuum to 3000 PSI
Chemical Compatibility	Fully compatible throughout the pH range of <u>0 to 14</u> ! Affected only by elemental Fluorine and molten alkali metals.
Oxygen Service Limits	Oxygen index of 94.5% (PRODUCT MUST BE ORDERED WITHOUT ADHESIVE STRIP) (PTFE will burn in 100% oxygen atmosphere when ignition source is provided)
FDA Suitable	FDA 21CFR 177.1550

Material Properties

- Α. Specific Gravity: 0.45 - 0.55 for UHF Joint Sealant; 0.75 - 0.95 for SQ-S Gasket Sheet; compressed to 2.0 - 2.1
- Β. Modulus of Elasticity: 50,000 PSI at 73°F
- Matrix Tensile Strength: ≤ 6800 PSI C.
- Coefficient of Friction: 0.2 (comparable to wet ice) D.
- Ε. Surface Free Energy: 18.5 dynes / cm².
- Chemical Compatibility: Inert except with elemental fluorine and alkali metals. F.
- G. 0xygen Index: 94.5%
- Thermal Conductivity: 0.601 BTU-in/hr-ft²-°F @ 75°F Η.
- Heat of combustion: 1434 ± 100 cal/g Ι.
- Specific heat: 0.23 BTU/lb. -°F J.
- K. Autoignition Temp: $939 \pm 100^{\circ}F$
- Ignition Temp.: Pa = 75 bar 145° C = 12k, Pe = Approx. 105 bar in condensed oxygen. L.
- Dissociation Pressure: 5 x 10^{-18} mm Hg at 27° C: 5 x 10^{-12} mm Hg at 100° C. Μ.
- PTFE is degraded by high energy radiation; however, there are examples of exposure N. to 17 megarads of gamma radiation on steel flanges with no loss of seal.

WebSales@GoodyearRubberProducts.com

We Ship

World Wide

- О. **Toxicity: NON-TOXIC**
- Ρ. HEALTH HAZARDS: None under normal use and conditions
- WASTE DISPOSAL METHOD: Normal landfill complies with any local disposal Q. regulations

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