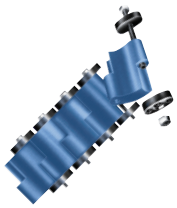
Innerlynx® Models and Properties

Model "C" Innerlynx® Modular Seal is suitable for most standard applications including: aboveground, direct underground burial, wet conditions and where cathodic protection is desired.
Type: Standard
Seal Element: EPDM (black)
Pressure Plates: Composite
Bolts & Nuts: Carbon Steel (Zinc plated)
Temp. range: -40° to +250° F

Model "S-316" Innerlynx® Modular Seal is suitable for chemical processing and water or wastewater treatment. EPDM rubber is resistant to most inorganic acids and alkalis, some organic chemicals (acetone, alcohol, ketones.)
Type: 316 Stainless Steel
Seal Element: EPDM (black)
Pressure Plates: Composite
Bolts & Nuts: Stainless Steel
Temp. range: -40° to +250° F

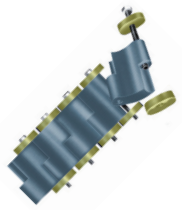


Model "L" Innerlynx® Modular Seal is composed of low durometer EPDM rubber suitable for thin walled conduit or copper pipe applications.
Type: Low Durometer
Seal Element: EPDM (blue)
Pressure Plates: Composite
Bolts & Nuts: Carbon Steel (Zinc plated)
Temp. range: -40° to +250° F

Model "L-316" Innerlynx® Modular Seal is composed of low durometer EPDM rubber with stainless steel hardware suitable for corrosion applications.
Type: Low Durometer
Seal Element: EPDM (blue)
Pressure Plates: Composite
Bolts & Nuts: Stainless Steel
Temp. range: -40° to +250° F

Model "O" Innerlynx® Modular Seal is composed of Nitrile rubber which is suitable for most Hydrocarbons, oils, hydraulic fluids, chemicals and solvents (gasoline, jet fuel, water, motor oil, kerosene, etc.)
Type: Oil, Gas & Fuel resistant
Seal Element: Nitrile (green)
Pressure Plates: Composite
Bolts & Nuts: Carbon Steel (Zinc plated)
Temp. range: -40° to +210° F

Model "OS-316" Innerlynx® Modular Seal is composed of a combination of stainless steel hardware and oil-resistant rubber.
Type: Oil & Gas resistant
Seal Element: Nitrile (green)
Pressure Plates: Composite
Bolts & Nuts: Stainless Steel
Temp. range: -40° to +210° F



Model "T" Innerlynx® Modular Seal is composed of silicone rubber which is excellent where temperature extremes are a factor.
Type: High/low Temperature
Seal Element: Silicone (grey)
Pressure Plates: Carbon Steel (Zinc plated)
Bolts & Nuts: Carbon Steel (Zinc plated)
Temp. range: -67° to +400° F

Model "UL" Innerlynx® Modular Seal is composed of proprietary rubber where fire resistance is a must. Two seals must be inplace for UL approval.
Type: UL approved (3 hr. fire rating)
Seal Element: Proprietary Rubber (red)
Pressure Plates: Carbon Steel (Zinc plated)
Bolts & Nuts: Carbon Steel (Zinc plated)
Temp. range: 3 hr. fire rating

Innerlynx® Modular Seal - Properties

Material Properties for Innerlynx® Modular Seal Elements

Property	ASTM Method	EPDM	Nitrile	Silicone
Hardness	D-2240	46.50	50.50	50.50
Tensile	D-412	1828 psi	1200 psi	860 psi
Elongation	D-412	784%	600%	600%
Compression Set	D-395	25% 22 hrs. @ 158° F	45% 22 hrs. @ 212° F	38% 22 hrs. @ 350° F
Specific Gravity	D-297	1.15	1.42	1.30

Material Properties for Composite Pressure Plates

Property	ASTM Method	Value
Tensile Strength	D-638	27,000 psi
Stress at Break	D-638	28,000 psi
Elongation at Break	D-638	11.07%
Flexural Strength	D-790	40,000 psi
Flexural Modulus	D-790	1,300,000 psi
Izod Impact	D-256	2.0
Specific Gravity	D-792	1.39

Bolt and Nut Properties
Carbon Steel Tensile strength = 60,000 psi
Stainless Steel: 316 Stainless Steel Tensile strength = 85,000 psi