

TECHNICAL DATASHEET

Description: **Molded Fluoroelastomer (FKM)
Explosive Decompression Resistant**

ASTM D-2000: **M2HK 910 A1-10 B38 Z1 Z2
90 +/-5 Durometer
Z1: NACE TM0192-92 D1414 Explosive Decompression Resistance
CO₂ @750psi, 22 hours @ 73°F
Z2: Glass transition per ASTM D3418, -39°F**

Service Temperatures: High Limit: **180° F (82° C)**
Low Limit: **-40° F (-40° C)**
** For use in PLIDCO fittings**

Shelf Life: 20 years

Typical Applications:

- Automotive and Aviation Fuels without Alcohol
- Automotive Fuels with 5-15% Alcohol and Ethers (Methanol, Ethanol, MTBE, TAME)
- Engine Oil
- Diesel
- Crude Oil
- Hydraulic Oil (HFD)
- Aromatic Hydrocarbons (Toluene, Benzene, etc.)
- Aliphatic Hydrocarbon Process Fluids (Petroleum, Propane, Butane, Natural Gas)
- Chlorinate Hydrocarbons (Trichlorethylene and Carbon Tetrachloride)
- Mineral & Vegetable Oil

Limitations:

- Strong Bases
- Caustics
- Ammonia Gas, Amines, Alkalis
- Low molecular Weight Carbonyls

** Contact a PLIDCO representative for detailed chemical compatibility**

Typical Physical Properties:

- Shore "A" Durometer 90
- Tensile Strength (psi) (ASTM D412) 2332
- Ultimate Elongation (%) (ASTM D412) 129
- Specific Gravity 1.79
- Compression Set (ASTM D395 method "B")
 - 22 Hrs. @ 392 F (%) 6%