

TECHNICAL DATASHEET

Description: **Molded Hydrogenated Nitrile (HNBR)**

ASTM D-2000: M2BG 714 B14 EF11 EF21 EO14 EO34 F17

NORSOK M-710 Explosive Decompression & Sour Gas Resistant
90 +/-5 Durometer

Service Temperatures: High Limit: **320° F (160° C)**
Low Limit: **-13° F (-25° C)**
** For use in PLIDCO fittings**

Shelf Life: 7 years

Typical Applications:

- Aliphatic Hydrocarbon Process Fluids (Petroleum, Propane, Butane, Natural Gas, Mineral Oil, Fuel Oil)
- Sour Gas
- Water
- Crude Oil
- Ethylene-glycol based Fluids

Limitations:

- Aromatic Hydrocarbons (Toluene, Benzene, etc.)
- Chlorinate Hydrocarbons (Trichlorethylene and Carbon Tetrachloride)
- Strong Acids
- Amines
- Polar solvents (Ketones, Acetone, Acetic Acid, Ethylene ester)
- Low molecular Weight Carbonyls
- Brake Fluid
- Ozone

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

Typical Physical Properties:

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|---------------------------|-------|
| • Shore "A" Durometer | 88 |
| • Tensile Strength (psi) | 4641 |
| • 100% Modulus (psi) | 2045 |
| • Ultimate Elongation (%) | 220 |
| • Specific Gravity | 1.21 |
| • Density (lbs./cu.in.) | 19.84 |
| • Compression Set | |
| ▪ 24 Hrs. @ 302 F (%) | 21 |
| • Tear Resistance | 41 |