

TECHNICAL DATASHEET

Description: **Extruded Hycar (Acrylonitrile)**
 Designed for use with Methyl Tertiary Butyl Ether (MTBE)

ASTM D-2000: **M2BG 710 B14 EO14 EO34 Z1 Z2**

Z1: 75 +/-5 Durometer

Z2: Compression set per ASTM D395, 22hrs @100°C, 35% max

Service Temperatures: **High Limit: 180° F (82° C)**

Low Limit: -10° F (-23° C)

**** For use in PLIDCO fittings****

Shelf Life: 5 years

Typical Applications:

- MTBE
- Aliphatic Hydrocarbon Process Fluids (Petroleum, Propane, Butane, Natural Gas, Mineral Oil, Fuel Oil)
- 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
- H₂S

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

Typical Physical Properties:

- | | |
|--|------|
| • Shore "A" Durometer | 75 |
| • Tensile Strength (psi) (ASTM D412) | 2400 |
| • Ultimate Elongation (%) (ASTM D412) | 380 |
| • Compression Set (ASTM D395 method "B") | |
| ▪ 22 Hrs. @ 212 F (%) | 27 |