Elastomer Guide

**Buna-N (Nitrile)**
- Symbol: U
- High Temp: 225 F
- Characteristics:
  - Very good with oil-based products
  - Good with acid and caustic (2% caustic max; 0.5% acid max)
  - Loses life at high temperatures
- Common Identifier: Black with red dot

**EPDM (Ethylene Propylene Diene Monomer)**
- Symbol: E
- High Temp: 300 F
- Characteristics:
  - Very good with acid and caustic
  - Good for steam
  - Fats and oils will soften and distort material
- Common Identifier: Black with 3 green dots

**Viton® (Steam Resistant Fluoroelastomer)**
- Symbol: SFY
- High Temp: 400 F
- Characteristics:
  - Very good with acid and most oils
  - Good with caustic and steam
  - Higher cost
  - Poor flexibility at low temperatures
- Common Identifier: Black with yellow and white dot

**Teflon® (Polytetrafluoroethylene, PTFE)**
- Symbol: G
- High Temp: 450 F
- Characteristics:
  - Very good for virtually all fluids and temperatures
  - Good for abrasive applications
  - Higher cost
  - Inflexible / Can deform under pressure
- Common Identifier: White

**Silicone**
- Symbol: X
- High Temp: 450 F
- Characteristics:
  - Very good for high temperatures
  - Higher cost
  - Poor for high-pressure steam
  - Tears easily
- Common Identifier: Translucent with pink dot

The information provided is intended to be used only as a guideline. Due to the many variables in each unique application, testing is the best way to determine elastomer life. Extended exposure near or at high temperature limits may shorten the material life. Additional materials or colors may be available. Specific material availability varies by product.