

## AEON PG MATERIALS COMPATIBILITY

The most meaningful evaluation of compatibility of an oil with various seals, plastics, paints, and metals is in actual field testing and customer usage. Our experience has shown that AEON PG has performed equally as well as conventional compressor oils with seals, paints, metals, and plastics normally used in oil applications. We are not aware of any compatibility problems in either controlled tests or extensive service usage.

The following is a list of materials which are Recommended, Good, or Not Recommended, based on laboratory testing.

### **Elastomers:**

#### **Recommended (Superior Performance)**

Viton A, DuPont, fluoroelastomer  
Kalrez 1050, DuPont, perfluoroelastomer  
Kalrez 3018  
Buna S, Butadiene - styrene copolymer  
Buna N, over 36% nitrile content  
Natural red rubber  
Natural black rubber  
EPR, ethylene - propylene - Diene copolymer  
Thiokol 3060, polysulfide  
Silicone rubber  
White asbestos  
F rubber  
H rubber

#### **Good (Performance equal to or better than conventional mineral oil lubricants)**

Neoprene  
Natural gum rubber

#### **Not Recommended**

Butyl rubber  
Buna N - less than 36% nitrile  
Hypalon, DuPont, chloro-sulfonated polyethylene

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**Paints:**

**Recommended**

Epoxy

**Not Recommended**

Oil resistant Alkyd

Acrylic

PVC

**Note: There are many paints available for industrial use. Generally, paints recommended for use in oil environments are suitable for use with AEON PG.**

**Plastics:**

**Recommended**

Fluorocarbon

Nylon

Delrin

Celcon

**Fair**

Polycarbonate

**Not Recommended**

Polystyrene

PVC

ABS