
AEON CL 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 CL has performed equally as well as conventional, mineral oil based lubricants 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.

Elastomers:

Recommended (Superior Performance)

Nitrile (Buna N)
Epichlorohydrin
Poly Urethane
Fluorosilicene
Fluoroelastomer (Viton)
Polyacrylate
Phosphonitrilic Fluoroelastomer
Aflas (TFE) Propylene)

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

Chlorsosulfonate Polyethylene (Hypalon)
Neoprene
Polysulfide
Ethylene Acrylate (Vamac)

Not Recommended

Natural Rubber
Butadiene Styrene (SBR, Buna S)
Butyl Rubber
Ethylene Propylene (EDPM)
Silicone

Paints:

Recommended

Epoxy
Oil Resistant Alkyd
Acrylic Enamel

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Not Recommended

Latex

Water Solvent Based Paints

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

Plastics:

Recommended

Fluorocarbon

Nylon

Delrin

Celcon

Polyethylene

Polycarbonate

Polystyrene

PVC

ABS

The very low volatility characteristics of AEON CL will greatly reduce the oil carried over into air lines and equipment and, therefore, reduce the possibility of compatibility problems in the air line.