

PAO SYNTHETIC MATERIAL COMPATIBILITY CHART

This table aids in the selection of elastomers, plastics and paints for use in conjunction with PAO synthetic fluids. The information listed in parentheses is D-1418 nomenclature, common acronyms or common trade names. When unsure of a component's precise identity or version, the manufacturer should be consulted to determine its compatibility with PAO basestocks.

| | Recommended | Not Recommended |
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| Seals | Fluorocarbon (FKM, FFKM, Viton®) Fluorosilicone (FVMQ, FSI) Polytetrafluoroethylene (PTFE, Teflon®) Acrylonitrile-Butadiene *(H-NBE, L-NBR, Buna N®) Epichlorohydrin (CO, ECO) Polysulfide T, PPS, selected versions Polyurethane (AU, EU, selected versions) Polyester (selected versions) Polyacrylate (ACM) Ethylene-Acrylate (Vamac®) <u>LOW TEMPERATURE SERVICE ONLY</u> Polychloroprene (CR, Neoprene®) Chlorosulfonated Polyethylene (CSM, Hypalon®) Chlorinated Ethylene Copolymer (Alcryn®) | Natural Rubber Polysoprene (IR, synthetic rubber) Isobutylene-Isoprene (IIR, butyl) Ethylene-Propylene-Diene (EPDM) Ethylene-Propylene (EPDM, Nordel®) Styrene-Butadiene (SBR, Buna S®) Silicone (MQ, VMQ, PMQ, SI) Propylene Oxide (PO) Polybutadiene (BR) |
| Plastics | Fluorocarbon Polyamide (Nylon®) Polyacetal (Delrin®, Celcon®) Polytetrafluoroethylene (PTFE, Teflon®) Polyethylene, High Density Polyurethane (selected versions) Phenolic (selected versions) | Polystyrene Polyvinyl Chloride (PVC, CPVC, Tygon®) Acrylonitrile-Butadiene-Styrene (ABS) Polycarbonate (Lexan®) Polyethylene, Low Density Polypropylene Polybutylene Polymethacrylate (Acrylic, Lucite, Plexiglass®) Polyethylene Terephthalate (PET, PBT) Polysulfone (PSO, PES) |
| Paints | Epoxy Oil Resistant Alkyd Baked Phenolic Two Component Urethane Moisture Cured Urethane | Acrylic Latex Lacquer Oil Varnish One Component Urethane Polyvinyl Chloride (Vinyl, PVC) |