



# KEPNER PRODUCTS COMPANY

ESTABLISHED IN 1948

TIPS#17

## O-Ring Seal Selection Guide

This abridged list provides seal code numbers for most of the common standard and special fluid service requirements used with Kep-O-seal® valves. If your requirement is not shown, please contact the factory for a special recommendation. **New** developments in O-Ring Compounds may obsolete these recommendations. ***It is suggested that service conditions be noted on order.***

SEAL CODE NUMBER	SERVICE CONDITIONS	TEMPERATURE RANGE ° F	COMPOUND
<b>-1**</b>	General purpose oils and lubricants, hydraulic oil, air, water.	-40 to 300 oil 250 air	Buna-N
<b>-3**</b>	High grade exotic material for services requiring a generally inert seal material or wide temperature range.	-300 to 450	Teflon®
-6	90 Durometer Buna-N. General purpose oils and lubricants, hydraulic oil, air, water.	-30 to 275	Buna-N
<b>-9**</b>	Refrigeration gases, (Freon 12, Freon 22), chlorine bleaching compounds - low pressure oxygen.	-45 to 300	Neoprene
-17	Military synthetic lubricants, (MIL-L-7808, MIL-L-6387, MIL-L-6085). Mil. Spec. MIL-R-7362B Specification Comp.	-65 to 300	Buna-N
<b>-18**</b>	High grade exotic material - petroleum base fluids, many chemicals, high temperature service.	-20 to 400	Viton®
-20	Military hydraulic fluids, (MIL-H-5606). Specification Compound MIL-P-25732.	-65 to 275	Buna-N
-21	High temperature air, oxygen, etc. Consult factory for specific recommendation.	-65 to 450	Silicone
-22	Military aircraft fuels, (0 to 30% Aromatics, MIL-F-5572A, MIL-F-5642C, MIL-H-3136, RP-1), Compound MIL-P-5315A.	-65 to 200	Buna-N
<b>-25**</b>	Steam, water, silicone oils & greases, alkalis, ketones. Excellent for Phosphate Ester base fire resistant fluids.	-70 to 400	Ethylene-Propylene
Kalrez®	Excellent chemical resistance, for service in hot, corrosive environments, oil well sour gas - consult factory for availability.	to 600	Kalrez®

\*\*Seal Code Numbers in bold are standards in the price book.

Above data is for O-Ring only. Valve metal must also be suitable for media and temperature.

Valve performance is dependent on proper selection, application, installation and maintenance. Consult Factory.

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