

RESILIENT LINER MATERIALS

EPDM

EPDM is a terpolymer elastomer made from ethylene-propylene diene monomer. EPDM has good abrasion and tear resistance and offers excellent chemical resistance to a variety of acids and alkalines. It is susceptible to attack by oil and is not recommended for applications involving petroleum oils, strong acids, or strong alkalines. It should not be used for compressed air lines. It has exceptionally good weather aging and ozone resistance and has fairly good resistance to ketones and alcohols.

BUNA-N (Nitrile) (NBR)

Buna-N is a general-purpose oil resistant polymer known as Nitrile rubber. It is a copolymer of butadiene and acrylonitrile. It has good resistance to Hydraulic fluid, oil, water, and solvents. It shows good tensile strength and abrasion resistance while displaying good compression set. It is not recommended for highly polar solvents such as acetone and methyl ethyl ketone nor in chlorinated hydrocarbons, ozone or nitro hydrocarbons.

LINER MATERIAL TEMPERATURE RANGE

LINER MATERIAL

TEMPERATURE

	<u>Continuous</u>	<u>Intermittent</u>
EPDM	-29 ~ 107 °C / -20 ~ 225 °F	-29 ~ 121 °C / -20 ~ 250 °F
BUNA-N (Nitrile)	-12 ~ 82 °C / 10 ~ 180 °F	---

KITZ utilizes proprietary compound formulas for each elastomer. They provide the right combination of seat compression, abrasion and chemical resistance to match a broad range of applications.

Note: Elastomeric seat materials are not suitable for steam service.