HARCO
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Seat and "O" Rings Material Description

Teflon

· Most commonly used seat material for food application. Has extensive chemical temperature resistance.
· Not suitable for great temperature fluctuations as teflon tends to cold-flow and does not return to its original shape.
· Useful temperature range - -30ºF to 400ºF

Buna N

· Nirile compund provides an elastic seat that makes for leak- free, eay handling of valve. Least expensive elastomer.
· Good chemical resistance, excellent for use with petroleum solvents, gasoline, alcohol, etc…
· Recommended lubricant- SILICONE
· Useful temperature range- -40ºF to 225ºF

Silicone

· Very good seat material, very elastic self- lubricating-provides a tight easy seal, reducing torque needed to close the valves.
· Sensitive to certain chemicals, do not use with solvents, petroleum products, etc.
(check with us for non-food usage).
· Useful temperature range- -85ºF to 450ºF

EPDM

· Good for steam and hot water to 350ºF
· Good resistance to mild acids, dilute alkalis, silicone oils and greases, ketones and alcohol .
· Avoid use with petroleum oils or diester base lubricants
· Useful temperature range - -65ºF to 300ºF

Viton

· Both extreme temperature and good chemical resistance.
· Useful at high temperature when buna or EPDM is not suitable.
· Recommended lubricant -SILICONE
· Useful temperature range - -31ºF to 400ºF