FS SPECIALIST SDN BHD

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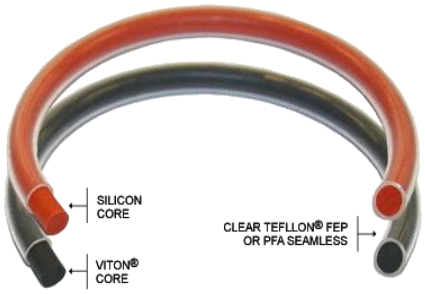
ORING DATASHEET

NBR/VITON/EPDM

SILICONE



PFA/ FEP ORING

PTFE O RING

FFKM/ KALREZ

MATERIAL	TEMPERATURE RATE	DESCRIPTION
BUNA N (NBR)	-23 °C TO 90 °C	Also known as nitrile rubber and is a synthetic blend of acrylonitrile and butadiene. Generally, resists fuel and oils.
VITON	-23 °C TO 191 °C	It's a fluroelastomer dipolymer comprised of vinylidene fluoride and hexafluropropylene. It's good resistance for petroleum products and solvent.
ETHYLENE PROPYLENE (EPDM)	-46 °C TO 149 °C	Excellent resistance to water, steam, and polar solvents, as well as ozone and sunlight. It's also resistance to alcohols, glycol and phosphate ester hydraulic fluid.
SILICONE	-23 °C TO 220 °C	Excellent material for extreme temperature, good with ozone and UV radiation It's permeable to gases and it's food grade.
FEP/PFA	-46 °C TO 232 °C	It's a clear Teflon FEP outer covering with a red silicone/ clack viton inner core. It's offers excellent chemical compatibility and compression set.
PTFE	-46 °C TO 260 °C	It has good compression set along with good temperature and chemical compatibility.
KALREZ (FFKM)	4079 -46°C TO 280°C	It has excellent chemical resistance, when used at high temperature, it has excellent compression and deformation characteristic. But pay special attention of amino compounds, on the thermal cycle circumstance, the temperature should below 280°C.
	6375 -46°C TO 260°C	It has the most extensive chemical resistance properties; it can be used the environment many chemical mediators' coexistence 260°C hot water and steam is the best.
	7075 -46°C TO 327°C	7075 is a new product on the basis of the 4079, compare with 4079, 7075's compression and deformation rate is smaller sealing ability is better, it can be used in 327°C high temperature environment