

Elastomer Selection Guide

The information below is a guide to aid in the selection of appropriate elastomers. The information in the guide has been compiled from manufacturer and trade literature. The dry gas seal system engineer is responsible for selection of the appropriate elastomer for the application.

Code	Compound or Trade Name	Description	Temperature Range	Cost Over Baseline
A	Aflas®	Ammonia resistant and resistant to most hydrocarbon gases but limited low temperature performance	-9 to 200°C	\$\$
D	FKM (Viton®)	Explosive decompression resistant compound for operating pressures above 10-15 MPa	-26 to 200°C	\$
H	FKM (Viton®)	Resistance to H ₂ S and ammonia concentrations less than 1% and explosive decompression resistant for operating pressures above 10-15 MPa	-17 to 200°C	\$\$
L	FKM (Viton®)	Low temperature performance compound	-48 to 200°C	\$
V	FKM (Viton®)	Resistance to most hydrocarbon gases but poor ammonia and H ₂ S resistance	-26 to 200°C	Baseline
K	FFKM Kalrez®	Best chemical resistance and high temperature performance of any elastomers	-20 to 200°C	\$\$\$\$
W	FFKM Kalrez®	Low temperature performance compound	-42 to 200°C	\$\$\$\$
X	FFKM Kalrez®	Explosive decompression resistant compound	-20 to 200°C	\$\$\$\$
E	EPDM	Ammonia resistant but poor for hydrocarbon gases and limited high temperature performance	-57 to 121°C	\$



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