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From the desk of G. A. Aaker, Jr., PE.

Service and Temperature Ranges

for Common Elastomers

	Nitrile Buna-N (6)	Teflon (PTFE) (4)	Ethylene Propylene (EPDM)	Aflas	Kalrez
H_2S	0 to 250 (2)	0 to 300	0 to 250	0 to 400	0 to 500
CO_2	N.R.	0 to 300	0 to 250	0 to 400	0 to 500
Amine & Inhibitors	0 to 200	0 to 300	0 to 250 (3)	0 to 400	0 to 500

Notes:

1. **Temperature conversions used above are approximate.**
2. **Acceptable when partial pressure of H2S <6.9 kpa (1 psia).**
3. **MEA/DEA only.**
4. **Plastic flow under shearing stress should be considered.**
5. **Viton may show embrittlement due to H2S induced vulcanization effects.**
6. **Other synthetic rubbers like Neoprene may be acceptable, subject to agreement with a material specialist.**
7. **N.R. = Not Recommended**