

## OZONE MATERIAL COMPATIBILITY GUIDE

### Rating Scale

A = Excellent (no effect)	B = Minor effect (slight corrosion or discolouration)	C = Fair – Moderate effect/not recommended for continuous use	D = Severe effect/not recommended
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Material	Rating (Cole-Palmer) O <sub>3</sub> Concentration not specified	Material	Rating (Cole-Palmer) O <sub>3</sub> Concentration not specified
ABS plastic	B	Magnesium	D
Acetal (Delrin®)	C	Monel	C
Aluminum	B	Natural rubber	D
Brass	B	Neoprene	C
Bronze	B	NORYL®	N/A
Buna-N (Nitrile)	D	Norprene	A
Butyl	A	Nylon	D
Cast iron	B	PEEK	A
Chemraz	A	Polyacrylate	B
Copper	B	Polycarbonate	A
CPVC	A – does get brittle	Polypropylene	C
Durachlor-51	A	Polysulfide	B
Durlon 9000	A	Polyurethane, Millable	A
EPDM	B – Dry Ozone/C – Wet Ozone	PPS (Ryton®)	N/A
EPR A	A	PTFE (Teflon®)	A
Epoxy	N/A	PVC	Ozone in water – A Ozone in air – B Does get brittle
Ethylene-Propylene	A	PVDF (Kynar®)	A
Fluorosilicone	A	Santoprene	A
Galvanized Steel	Water – C/Air - A	Silicone	A
Glass	A	Stainless steel - 304	B
Hastelloy-C®	A	Stainless steel - 316	A
Hypalon®	A	Steel (Mild, HSLA)	D
Hytrel®	C	Titanium	A
Inconel	A	Tygon®	B
Kalrez	A – up to 37.7°C	Vamac	A
Kel-F® (PCTFE)	A	Viton®	A
LDPE	B	Zinc	D