

## Material Compatibility with Ozone

Material	Rating (Source: Cole Parmer) [Ozone Concentrations not specified]
ABS plastic	B - Good
Acetal (Delrin®)	C - Fair
Aluminum	B - Good
Brass	B - Good
Bronze	B - Good
Buna-N (Nitrile)	D - Severe Effect
Butyl	A - Excellent
Cast iron	C - Fair
Chemraz	A - Excellent
Copper	B - Good
CPVC	A - Excellent
Durachlor-51	A - Excellent
Durlon 9000	A - Excellent
EPDM	A - Excellent up to 100-deg F
EPR	A - Excellent
Epoxy	N/A
Ethylene-Propylene	A - Excellent
Fluorosilicone	A - Excellent
Galvanized Steel	In Water (C - Fair), In Air (A - Excellent)
Glass	A - Excellent
Hastelloy-C®	A - Excellent
Hypalon®	A - Excellent
Hytrel®	C - Fair
Inconel	A - Excellent
Kalrez	A - Excellent up to 100-deg F
Kel-F® (PCTFE)	A - Excellent
LDPE	B - Good
Magnesium	D - Poor

Monel	C - Fair
Natural rubber	D - Severe Effect
Neoprene	C - Fair
NORYL®	N/A
Nylon	D - Severe Effect
PEEK	A - Excellent
Polyacrylate	B - Good
Polycarbonate	A - Excellent
Polypropylene	C - Fair
Polysulfide	B - Good
Polyurethane, Millable	A - Excellent
PPS (Ryton®)	N/A
PTFE (Teflon®)	A - Excellent
PVC	B - Good
PVDF (Kynar®)	A - Excellent
Santoprene	A - Excellent
Silicone	A - Excellent
Stainless steel - 304	B - Good/Excellent
Stainless steel - 316	A - Excellent
Steel (Mild, HSLA)	D - Poor
Titanium	A - Excellent
Tygon®	B - Good
Vamac	A - Excellent
Viton®	A - Excellent
Zinc	D - Poor

**Ratings -- Chemical Effect**

- A. **Excellent.** -- No effect
  - B. **Good** -- Minor Effect, slight corrosion or discoloration.
  - C. **Fair** -- Moderate Effect not recommended for continuous use.  
Softening, loss of strength, swelling may occur.
  - D. **Sever Effect** -- Not recommended for **ANY** use.
- N/A** = Information Not Available.

\* Remember that different materials react differently to wet or dry ozone. DRY ozone has been dried to a -60 deg F or lower, WET ozone contains small amounts of moisture. Contact the material manufacture to determine if your material is compatible.