# Resistance table for O-rings

1 = resistant
2 = limited resistance
3 = not resistant

| Chemicals | Seals | | |
|---|---|---|---|
| | NBR | EPDM | FKM |
| Acetone | 3 | 1 | 3 |
| Acetylene gas | 1 | 1 | 1 |
| Alcohol | 2 | 1 | 1 |
| Alkalis | 1 | 1 | 3 |
| Aluminium sulphate | 1 | 1 | 1 |
| Ammonia, liquid | 2 | 1 | 2 |
| Ammonium hydroxide | 1 | 1 | 3 |
| Aniline | 3 | 2 | 1 |
| Anol | 2 | 3 | 1 |
| Argon gas | 1 | 1 | 1 |
| ATE Brake fluid | 3 | 1 | 3 |
| Beer | 1 | 1 | 1 |
| Benzol | 2 | 3 | 1 |
| Borax | 1 | 1 | 1 |
| Boric acid | 1 | 1 | 1 |
| Brine lye | 3 | 3 | 1 |
| Butane gas | 1 | 2 | 1 |
| Butanone | 3 | 1 | 3 |
| Butyl benzoate | 3 | 1 | 1 |
| Camphor | 1 | 3 | 2 |
| Carbolic acid | 3 | 3 | 1 |
| Carbon dioxide | 1 | 1 | 1 |
| Carbonic acid gas | 1 | 1 | 1 |
| Caustic soda | 3 | 3 | 1 |
| Chlorine | 3 | 1 | 2 |
| Chromic acid | 3 | 2 | 1 |
| Citric acid | 2 | 1 | 1 |
| Citrus oils | 2 | 1 | 3 |
| Coal gas | 3 | 3 | 1 |
| Coconut oil | 1 | 3 | 1 |
| Coke oven gas | 1 | 3 | 3 |
| Cooling water | 2 | 1 | 1 |
| Cresol | 3 | 3 | 1 |
| Diesel oil | 1 | 3 | 1 |
| Dioxane | 3 | 2 | 3 |
| Diphenyl | 3 | 3 | 1 |
| Dodecanol | 2 | 2 | 2 |
| Ether | 1 | 2 | 2 |
| Ethyl alcohol | 2 | 1 | 1 |
| Ethyl alcohol | 2 | 1 | 2 |
| Ethylene gas | 1 | 3 | 1 |
| Fatty acids | 2 | 3 | 2 |
| Fish oil | 1 | 2 | 1 |
| Fluorine | 3 | 3 | 2 |
| Formaldehyde | 2 | 2 | 1 |
| Formic acid | 3 | 1 | 1 |
| Freon 11 | 1 | 3 | 2 |
| Freon 12 | 2 | 2 | 2 |
| Fuel oil | 1 | 3 | 1 |
| Gallic acid | 2 | 2 | 1 |
| Gasoline | 2 | 3 | 1 |
| Gear oil | 1 | 3 | 1 |
| Glucose | 1 | 1 | 1 |
| Glycerin | 1 | 1 | 1 |

| Chemicals | Seals | | |
|---|---|---|---|
| | NBR | EPDM | FKM |
| Glycol | 1 | 1 | 3 |
| Helium gas | 1 | 1 | 1 |
| Hexane | 1 | 3 | 1 |
| Hot air up to 120°C | 3 | 1 | 1 |
| Hot air up to 200°C | 3 | 3 | 1 |
| Hydraulic oil | 3 | 1 | 1 |
| Hydrocarbon | 1 | 3 | 1 |
| Hydrogen | 1 | 3 | 1 |
| Hydrogen cyanide | 2 | 2 | 1 |
| Hydrogen sulphide, dry | 3 | 2 | 1 |
| Hydrosulphide | 2 | 1 | 1 |
| Iodine, Iodine tincture | 2 | 2 | 1 |
| Iron chloride | 1 | 1 | 1 |
| Iron nitrate | 1 | 1 | 1 |
| Isooctane | 1 | 3 | 1 |
| Lanolin | 1 | 3 | 1 |
| Lead acetate | 1 | 2 | 1 |
| Linseed oil | 1 | 3 | 1 |
| Lubricating oil | 1 | 2 | 1 |
| Magnesium sulphate (Epsom salt) | 2 | 1 | 1 |
| Mains gas | 1 | 3 | 1 |
| Mercury (Hydrargyrum) | 1 | 1 | 1 |
| Methane gas | 2 | 3 | 1 |
| Methanol | 1 | 1 | 3 |
| Methy alcohol | 3 | 1 | 3 |
| Milk | 1 | 2 | 3 |
| Mine gas | 1 | 3 | 1 |
| Mineral oil | 1 | 3 | 3 |
| Mineral oil | 1 | 3 | 1 |
| Naphtalene (stone oil) | 3 | 3 | 1 |
| Natural gas | 1 | 2 | 1 |
| Nitric acid up to 35% | 3 | 1 | 2 |
| Nitrogen | 1 | 1 | 1 |
| Nitrous oxide (laughing gas) | 1 | 2 | 1 |
| Oxygen, cold | 2 | 1 | 1 |
| Pararffin | 1 | 3 | 1 |
| Petrol | 3 | 3 | 1 |
| Petroleum | 1 | 3 | 1 |
| Potash lye | 2 | 1 | 2 |
| Potassium cyanide | 3 | 1 | 1 |
| Potassium sulphate | 1 | 1 | 1 |
| Propane gas | 1 | 3 | 1 |
| Salt solutions | 1 | 3 | 3 |
| Seawater | 1 | 1 | 1 |
| Silicic acid | 1 | 1 | 1 |
| Sodium sulphide | 3 | 1 | 1 |
| Steam up to 150°C | 3 | 1 | 2 |
| Steam up to 250°C | 3 | FFKM | 2 |
| Synthetic resin thinner (no nitrosolvent) | 3 | 3 | 1 |
| Tar | 1 | 3 | 3 |
| Trichloroethylene | 3 | 3 | 2 |
| Urea | 1 | 1 | 1 |
| Varnish | 2 | 3 | 1 |
| Vinegar, acetic acid | 3 | 1 | 3 |
| Water above 80°C | 3 | 1 | 1 |
| Water up to 80°C | 1 | 1 | 1 |
| Water, demineralised | 3 | 1 | 3 |
| Water, distilled | 2 | 1 | 1 |
| Xylol | 3 | 3 | 2 |
| Yeast | 1 | 1 | 1 |