

# Choosing a material

Material selection can be problematic as the correct choice will always be a compromise between price, performance and availability.

The following factors need to be considered:

- Temperature (ambient and operating)
- Media (the gas or fluid being sealed)
- Pressure
- Environmental (UV or Ozone)
- Possible contact with cleaning agents
- Unusual fitting procedures
- Special approvals: WRAS, FDA, NSF, USP Class VI, USDA-3A, UL, DTD.

In most applications standard stocked materials will give excellent performance, whilst applications requiring special compounds parts will need to be manufactured.