Linings and coatings

In order to protect the connections of the marsoflex® hose lines against aggressive media, they are coated with plastics such as E-CTFE (Halar®), lined with PTFE (alternatively PFA) or the PTFE hose is inserted and they are then crimped.

PTFE is offered as white virginal and electrically insulating versions. For applications requiring electrically conductive properties antistatic PTFE (black) is used. Both PTFE variants are FDA-compliant.

Coating

The medium-contacting areas of the fitting or coupling are coated with E-CTFE or a comparable plastic. In this way, effective corrosion protection against aggressive media is achieved.

Lining

A thick-walled PTFE mould is integrated into all areas of the fitting that come into contact with the medium. This mould protects the fitting or coupling from the chemical corrosion by acids and lyes. Due to the excellent chemical resistance, PTFE is a safe and economic alternative to expensive special alloys such as Hastelloy for example.

Flange

The PTFE hose is made malleable by heating it up. In this condition, it is pulled through the fitting or coupling and crimped according to the connection end, i.e. adjusted to the connection. The advantage of crimping is that no dead space form in the area of the transition from the fitting to the hose at which medium residues may gather. Consequently, the highest level of cleanliness possible is guaranteed for sensitive areas such as the pharmaceutical and food industries. The use of a fully automated system for crimping PTFE hoses in addition guarantees large quantities with constantly high quality.

Do you require individual solutions with regard to the lining and coating?
Please contact us.

Coupling
lined with PTFE

Fittings lined
with PTFE

Your notes