



SELECTION GUIDE TO LINER MATERIALS FOR MAGNETIC FLOW METERS

TEFLON (PTFE)

- The most chemically resistant material, resistant to hot hydrochloric acid & nitric acid as well as strong alkali & organic solutions.
- Weak abrasion resistance.
- Temperature rating up to 120oC

PFA

- Similar abrasion & chemical resistance to PTFE.
- More resistant to salt than PTFE, better for sea water applications.
- Suitable for high pressure applications.
- Merriman engineers can check chemical compatibility on request.

F46

- Similar abrasion & chemical resistance to PTFE.
- Suitable for high pressure & vacuum applications.
- Temperature rating up to 160oC.

NEOPRENE

- Good resistance to abrasion, has good elasticity & ductility.
- Resistant to weak acids & alkalis, but avoid oxidizing chemicals such as sodium hypochlorite & ozone.
- Use in water & sewage treatment, mineral processing such as low abrasive slurries.

POLYURETHANE

- Good abrasion resistance, use in abrasive slurries such as mineral processing & coal washeries.
- Poor resistance to chemical & organic impurities.



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