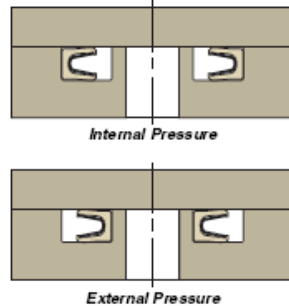




FlexiSeal Face Seals



FlexiSeal® Face Seals Materials

The most popular PTFE fillers used for FlexiSeal Face Seal products are graphite, carbon fiber and aromatic polyester. Virgin PTFE is also one of the most common material choices for face seals, especially when chemical compatibility is critical.

0100 — Virgin PTFE

Virgin PTFE has the best chemical resistance and lowest coefficient of friction of any of the material choices. Its purity also makes it suitable for food contact applications.

0301 — Graphite Filled

Graphite filled PTFE has extremely low coefficient of friction due to the low friction characteristics of graphite. Graphite is chemically inert. Graphite imparts excellent wear properties and high PV to PTFE.

0502 — Carbon Fiber Filled

Carbon fiber lowers creep, increases flex and compressive modulus and raises hardness. Coefficient of thermal expansion is lowered and thermal conductivity is higher for compounds of carbon fiber filled PTFE. Ideal for automotive applications in shock absorbers and water pumps.

0601 — Aromatic Polyester Filled

Aromatic polyester is excellent for high temperatures and has excellent wear resistance against soft, dynamic surfaces. Not recommended for sealing applications involving steam.