

Polymer Criteria



Polymers currently in use

Chemical stability Thermal stability Tribological Properties

FKM	✓	✓	✓
FFKM	✓	✓	✓
PTFE	✓	✓	✓
TFM-PTFE	✓	✓	✓
PFA	✓	✓	✓
FEP	✓	✓	✓

Alternative Materials

PE	X	X	X
POM	X	X	X
PA12	X	X	X
PP	X	X	X
Peek	X	X	X
NBR	X	X	X
SI	X	X	X
EPDM	X	X	X
NR	X	X	X

Symbols Meaning

✓	fulfilled
X	Not fulfilled
X	Nearly fulfilled
✓	Accept with linimations

Chemical stability
Thermal stability
Tribological Properties

Resistance to chemical exposure.
Properties to perform at extremely high or low temperatures.
Properties regarding tribological beavour like friction coefficient, Abrasion, heat development