

PTFE, Teflon



Teflon, otherwise known as PTFE (polytetrafluoroethylene) is a fluorocarbon compound with a high molecular weight that can be found in most industries due to its outstanding physical properties:

1. Extremely low coefficient of friction against any solid
2. High resistance to most corrosive and reactive chemicals with exception to some fluoro-chemicals.
3. Non-stick characteristic (eg. coating used for pans and iron.)
4. Excellent dielectric properties
5. Non-toxic
6. Non-flammable
7. Excellent tensile strength
8. Good mechanical properties with excellent fatigue resistance
9. Water and oil resistance
10. Non-aging properties

Uses: Valve components, gaskets, pump parts, seal rings, electrical tapes,