



PTFE Gaskets

Polytetrafluorethylene or PTFE is a polymer with an exceptional chemical resistance and is the most widely used plastic for industrial sealing. The only substances that attack PTFE are liquid alkaline metals and free fluorine.

PTFE Gasket products are manufactured by taking either pure PTFE or PTFE with other materials mixed in and sintering or extruding it. Sintering is a process where powdered material is held in a mold and then heated to a temperature below the melting point. There are different styles of PTFE for different application needs and several different styles can be used in the same application. Additionally, PTFE has good electrical insulation, anti-stick, impact resistance and low friction properties.

PTFE was first developed by Dupont who still holds the most recognized brand name "Teflon" by DuPont Co. TEFLON® is a registered trademark of E.I. du Pont de Nemours & Co.

Styles of PTFE Sheets

Virgin - 100% PTFE material sheets

Mechanical Grade - Contains a small percentage of recycled PTFE.

Filled PTFE - PTFE can be filled with a wide range of materials to help overcome "cold Flow issues associated with PTFE. The most common filler materials are:

Silica	Micro Glass Spheres	Barium Sulfate
Brass / Bronze	Carbon Filled PTFE	Graphite Filled

The percentage of filler varies according to the requirements of the application. Each filler has its advantages. Conductivity is a major factor in deciding what material and how much of it is added.

