

Filled PTFE Products

Filled PTFE products are manufactured from filled PTFE resin, which is a compound of PTFE granular resin and certain kind of filler, for example glass fiber, carbon fiber, bronze, and lubricating materials like graphite, molybdenum disulfide, etc. The filled PTFE products have improved compression strength, better abrasion resistance, higher thermal conductivity and lower thermal expansion compared with pure PTFE products.

The typical improved properties with different fillers are:

Filler	Improved properties
Glass fiber	Enhanced wear resistance Less deformation under load
Graphite	Extremely low coefficient of friction Fairly good compressive strength Good wear resistance
Carbon fiber	Good thermal resistance Resistance to deformation
Bronze	Enhanced compressive strength Good wear resistance High thermal conductivity

GS4500 PTFE sheet with filler

Made from filled PTFE resin through skiving or molding method.

Available to be etched on one side or both sides (style number: GS4500E).

GA4500 PTFE gasket with filler

Molded, skived or cut from filled PTFE sheets, rods, tubes, etc.

Other filled PTFE products such as rods, tubes, valve seats, bearings, piston rings are also available on request.