

Product Information/Technical Data Sheet

Product Name: PTFE GF

Trade name:	PTFE-CFF (Carbon Filled)
Designation:	Polytetrafluoroethylene
Type of polymer:	Fluoropolymer
Food compliance FDA	Yes
Colour:	Natural

Amorphous carbon is one of the most inert fillers, except in oxidizing environments where glass performs better. Carbon adds to the creep resistance, increases the hardness and raises the thermal conductivity of PTFE. Carbon-filled compounds have excellent wear properties, in particular when combined with graphite. The combination of the above properties makes carbon/graphite compounds the preferred material for non-lubricated piston rings. The use of a softer carbon has the additional advantage that it lowers tool wear during machining, thus allowing machining to very close tolerances. Carbon-containing compounds have some electrical conductivity and are therefore antistatic.

Properties

PTFE - GF have a homogeneous and dense structure. The surface is smooth with a white to light grey appearance. The filler adds to the materials stiffness and surface hardness with improved creep and chemical resistance, making it an excellent choice for bearing, seal and pressure applications.



Applications and Industries

Gaskets Seals, seats, packings Piston, glide and lantern rings Shaft seals	Bearing Pads Electrical insulators Insulators
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Key Features and Benefits

Excellent chemical Lowest co-efficient of friction High operating temperature and stability	Outstanding dielectric properties Slippery non-stick surface Excellent UV resistance
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Delivery Program

Rod – Diameter	6mm – 150mm
Rod – Size	Sizes: 600mm ² & 1200mm ² (Various length)
Sheet - Thickness	3mm – 50mm
Sheet – Size	Sizes: 600mm ² & 1200mm ² (Various length)
Moulded Cylinder	Outside Diameter: 1–25mm diameter

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