

Product Information/Technical Data Sheet

Product Name: PTFE N

Trade name:	PTFE-N
Designation:	Polytetrafluoroethylene
Type of polymer:	Fluoropolymer
Food compliance FDA	Yes
Colour:	Natural

PTFE – N is an unfilled grade of Polytetrafluoroethylene (PTFE). This natural grade of PTFE contains no fillers and has almost a complete chemical resistance. It combines effective insulating capabilities and high dielectric properties. Polytetrafluoroethylene (PTFE) is a synthetic fluoropolymer which finds numerous applications. PTFE is most well-known by the DuPont brand name Teflon®, PTFE shares the properties of fluorocarbons. Therefore, water and water-containing substances like most foods do not wet PTFE, as adhesion to PTFE surfaces is inhibited. Due to this property PTFE is used as a non-stick coating for pans and other cookware. It is very non-reactive, and so is often used in containers and pipe work for reactive and corrosive chemicals. Where used as a lubricant, PTFE reduces friction, wear and energy consumption of machinery.

Properties

Density:	2.18	g/cm ³	08/T3624-1999
Tensile Strength:	16	MPa	08/T3624-1999
Temperature range (long term max):	-190 - +250	°C	

Applications and Industries

Mechanical Seals Envelope Gaskets Bearings Vee Rings	Chemical Linings Electrical Insulators Packings Laboratory Equipment
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Key Features and Benefits

Excellent Low Friction Chemically Inert Outstanding Electrical and Dielectric Properties Low Dimensional Stability	Non-stick and Release Properties High Thermal Stability Poor Wear and Mechanical Strength Easy to Machine
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Delivery Program

Rod – Diameter	6mm – 250mm
Rod – Size	1000mm
Sheet - Thickness	3mm – 80mm
Sheet – Size	1200mm x 1200mm (3mm – 25mm thick) 610mm x 610mm (25mm – 80mm thick)
Version Date: 01-06-2022	