

PTFE-N (Unfilled Polytetrafluoroethylene)

Product Information Sheet

Product Information

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

Product Description

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 DuPoint 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



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

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)

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