

Applications of PTFE & Filled Grade PTFE in Fluid Handling:-



PTFE & Filled PTFE Products are used in Fluid Handling applications in Chemical, Pharmaceuticals, Petrochemical, and Petroleum Industries mainly due to extraordinary chemical resistance to almost any service condition along with high thermal resistance. The major application include:

PTFE Tubing and Hoses
PTFE Thread Seal Tapes
PTFE Sleeves of Plug Valves
PTFE Mechanical Seals of Pumps
PTFE Impellers / Body of Pumps
PTFE Ball Valves Seats - Seals

PTFE Expansion Joints : Bellows
PTFE Liners / Disc of Butterfly Valves
PTFE Laboratory Ware: Beakers, Plug Cock
PTFE Diaphragms of Diaphragms Valves and Pumps
PTFE Liners of Reactors, Storage Vessels / Pipes and Flanges
PTFE Gasketing material: Gaskets, O/D/V/U Rings, Universal Rope, Crescent Rings for Glass Pipelines

Standard Fluoromers Pvt. Ltd. manufactures most of these products in PTFE & filled PTFE compositions / grades.

Application of PTFE & Filled Grade PTFE in Mechanical Engineering:-



PTFE & Filled PTFE Products find many applications in mechanical & civil engineering industries such as Machine Tools, Air Compressor, Bridge Bearing, and Hydraulic & Pneumatic Seals due to its unique surface – friction/wear properties. The major application include:-

PTFE Bridge Support bearing pads
PTFE Bearing / pads for sprinklers
PTFE Pipeline Support Bearing Pads
PTFE Railway bogie bearings
PTFE Bearings for Conveyor belts
PTFE Gear Case wiper Rings
PTFE Bearings / Pads for Actuators

PTFE Low load high speed bush bearings
PTFE Piston Rings for dry running air compressor
PTFE Hysteresis - Friction Washers for automobile clutches
PTFE Support pads / Wear strips / bearing pads in Railway bogies
PTFE Low Friction Liners for machine tools guide ways and slide ways
PTFE Guide bands & Piston Seals for hydraulic and pneumatic actuators
PTFE Support pads / Wear strips / bearing pads in machine tools & equipment's

Standard Fluoromers Pvt. Ltd. manufactures most of these products in PTFE & filled PTFE compositions.

Applications of PTFE & Filled PTFE in Electrical & Electronics Engineering:-



PTFE & Filled PTFE Products are mainly used in Electrical & Electronics Engineering Industries such as Electric Switch Gears, Capacitor, Traction Motors, and Traction Generators mainly due to its outstanding Electrical Insulation characteristics. The major application include: -

PTFE Connectors
PTFE Brush Holders
PTFE Barb Insulators
PTFE Capacitors film

PTFE Nozzles for SF6 circuit breakers
PTFE Heat Shrinkable sleeving for insulation
PTFE Ultra-thin tape for failsafe applications
PTFE Ultra-thin sintered insulation tapes for traction machine
PTFE Thin-walled spaghetti tubing for insulation in aircraft and space vehicles

Standard Fluoromers Pvt. Ltd. manufactures most of these products in PTFE & filled PTFE compositions / grades.