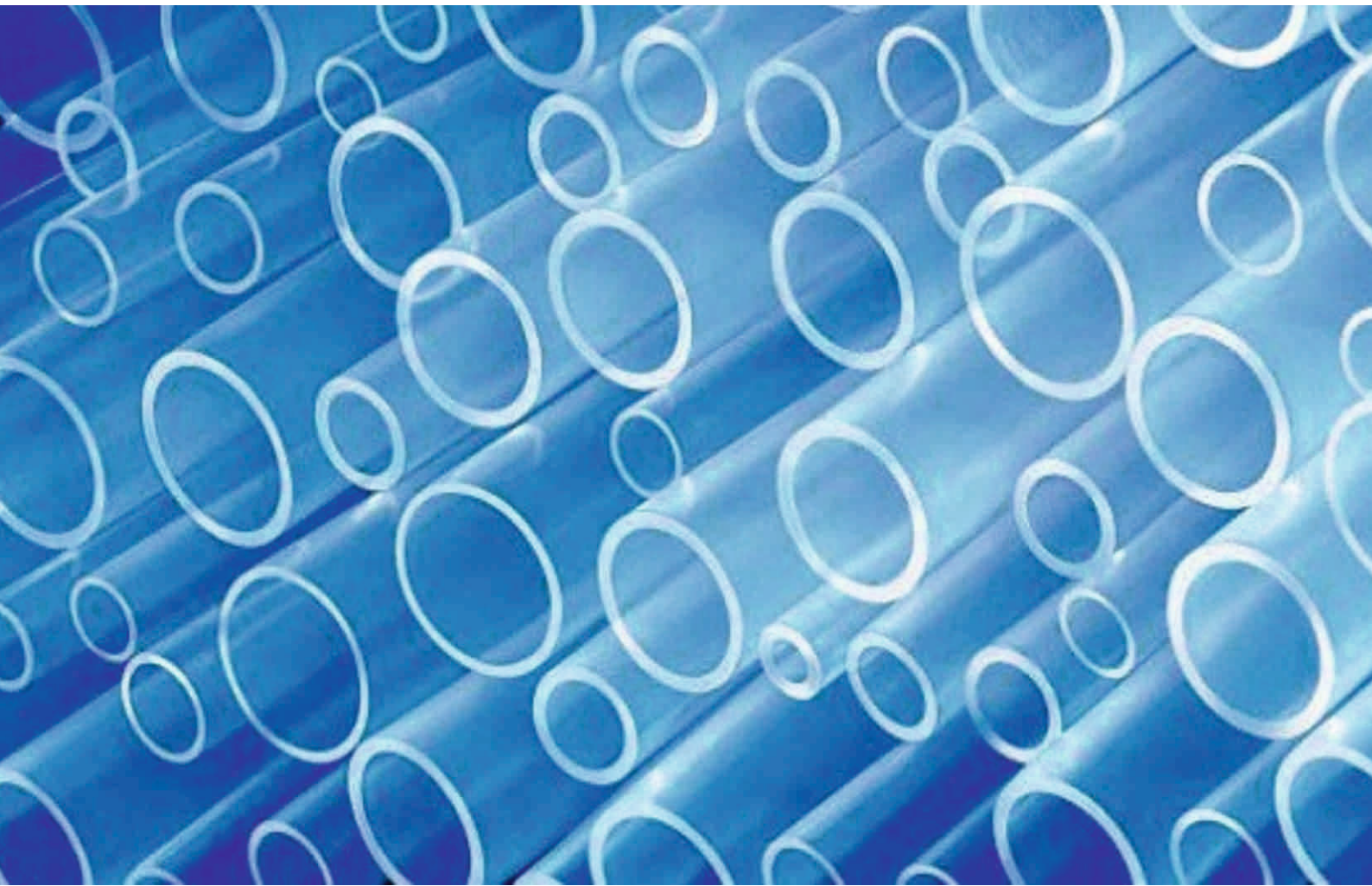


polymore

PTFE EXTRUDED TUBING



YASH
DYNAMICS PVT. LTD.

ABOUT US

Yash Dynamics Private Limited an Indian origin fluoropolymer processing company, specializes in high grade PTFE tubes using vertical paste extrusion technology. We are on the journey to mark our presence in Indian fluoropolymer industry applications, specifically PTFE extruded tubing. With the goal of delivering the best quality product we have invested in the most advanced vertical paste extrusion machine at our dedicated tubing factory located in Dehradun, Uttarakhand having 25000 sq.ft. carpet area, fully equipped with dedicated quality assurance laboratory.

Our company has acquired technical know-how (First of its kind in India) in PTFE vertical paste extrusion technology from India's only fluoropolymer manufacturing conglomerate to ensure products are complied with international standards such as IS, ASTM, DIN etc. through reverse engineering & our in-house test laboratory. Each of our team members is a visionary with an ahead always approach. Our sagacity and assiduity helps us pioneer in every step and direction. Founded on the principles of integrity and excellence, delivering top-notch solutions tailored to our clients' needs.

MISSION

At Yash Dynamics, our mission is simple: to empower our clients and partners with make in India PTFE tubes available at their doorstep them in shortest possible time that drives growth, foster success, and create lasting value. We are committed to building long-term relationships based on trust, integrity, and mutual respect.

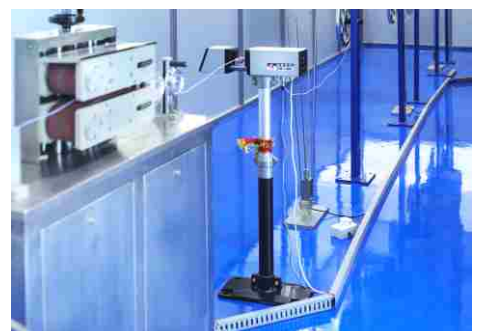
WHY CHOOSE US

- 1. Uncompromising Quality:** Our PTFE tubes are manufactured using the highest quality materials to ensure consistent performance and reliability in even the most demanding environments.
- 2. Precision Engineering:** With advanced vertical paste extrusion machines and strict quality control measures, we guarantee precise dimensions, smooth surfaces, and tight tolerances in every PTFE tube we produce.
- 3. Standardized Procedures:** Our inherited business practise ensures company operations adheres to strict ISO standards and each member safeguards that all manufacturing processes are adhered to standardized procedures.
- 4. Technical Expertise:** Our technical know-how partners and team of engineers continuously strive in PTFE material sciences and manufacturing procedures, enabling us to provide expert guidance and support throughout the development and production process.
- 5. Customer Satisfaction:** We work closely with customers to understand their needs, provide personalized solutions, and ensure seamless experience from inquiry to delivery.
- 6. Fast Turnaround:** With our domestic production facility and streamlined logistics, we offer fast turnaround times to meet customer's project deadlines.



INFRASTRUCTURE

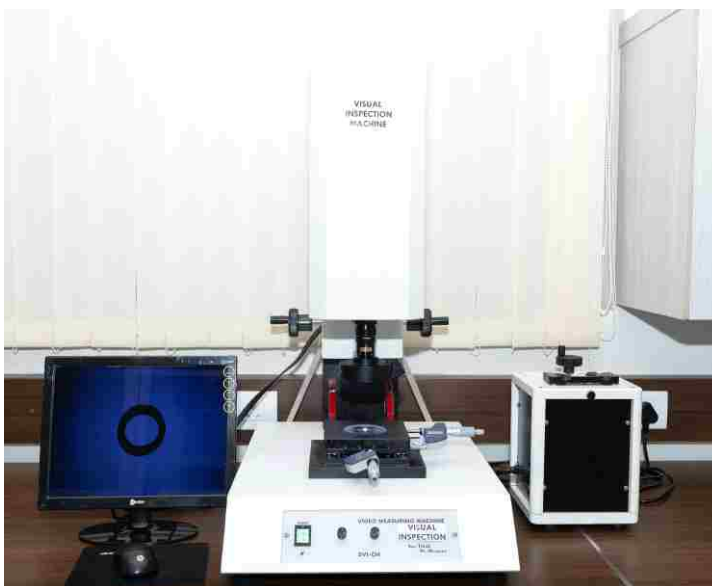
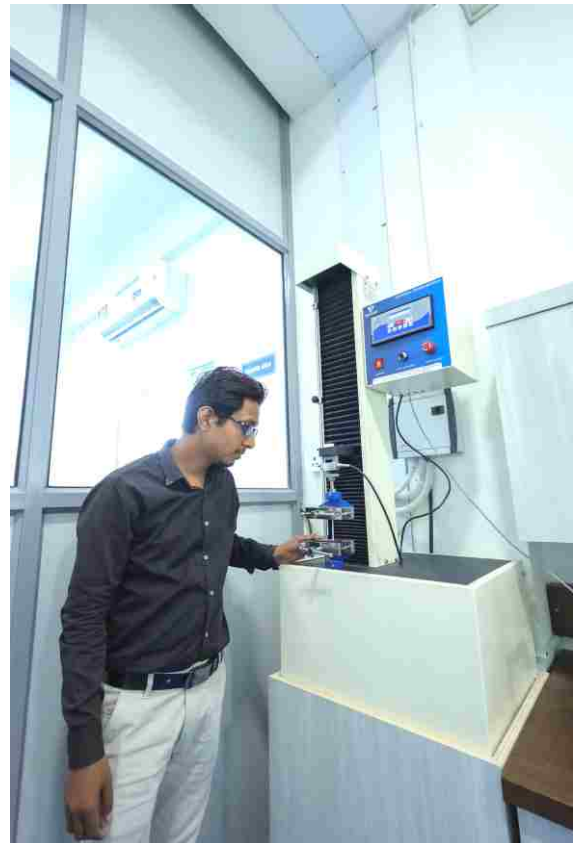
Our dedicated tubing factory located in Dehradun, Uttarakhand spread over 25000 sq.ft. carpet area



QUALITY

Quality has always played an integral role to customer satisfaction, and that's how we aim it. Stringent quality checks, ISO compliance, and rigorous product testing we do is all for meeting quality parameters. To ensure products are complied with international standards we have established our in-house test laboratory.

1. **Computerized Tensile and Elongation strength Tester**
2. **Digital Brust Pressure Testing Machine**
3. **Specific Gravity Balance**
4. **Humidity Chamber**
5. **Digital Oven**
6. **Visual Inspection Machine**



APPLICATION AREAS



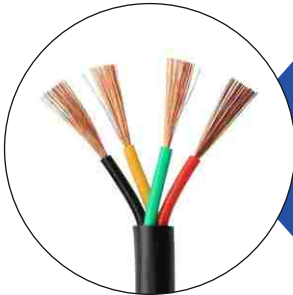
Medical

PTFE catheters provide the outstanding combination of high torque control and stiffness for excellent push-ability, and excellent lubricity. The substructure helps the catheter resist kinking and allows for pressure resistance.



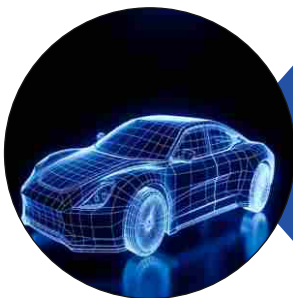
Chemical

PTFE is most suitable substitute for glass due to its inertness and durability.



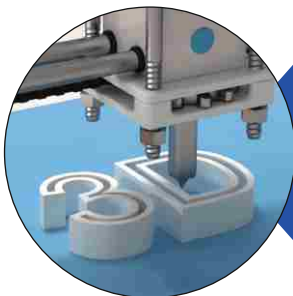
Electrical

PTFE is suitable for insulating high-voltage cables thanks to its excellent dielectric properties.



Automotive

PTFE's high-temperature resistance range from -270°C to $+260^{\circ}\text{C}$ makes it ideal for transferring fluids at high temperatures and high efficiency in mechanical cables



3D Printing

PTFE tube is used in 3D printers to guide the filament, with relative low friction, towards the (Bowden) extruder. It is therefore able to cope well with the high temperatures at the nozzle of the printer.

WHAT WE OFFER

polymore offers PTFE fine powder Extruded Tubes used in variety of industries for numerous applications. **Made in India** from most advanced vertical paste extrusion machine, these tubes are offered in customized sizes and specifications.

PRODUCT SPECIFICATION				
PRODUCT	O.D. (mm)	I.D. (mm)	Wall Thickness (mm)	Tolerance +/- (mm)
PTFE TUBES	1.50 to 8.00	0.50 to 6.00	0.20 to 1.00	0.05 to 0.15
PTFE MANDREL	0.50 to 8.00			0.02 to 0.15

Packaging: PTFE Tubes are available in continuous length roll form layer winded on wooden bobbins. Cut to length available on request.

Colours: Standard colour- Natural, Other colours available on demand.

PTFE CHARACTERSTICS			
Properties	ASTM Standard	Unit	Nominal value
Specific Gravity	D792	g/cc	2.14- 2.19
Maximum Working Temperature		Deg. C	+260
Minimum Working Temperature		Deg. C	-270
Ultimate tensile Strength at 23°C	D638	Mpa	14-34
Elongation at break, at 23°C	D638	%	200-500
Concentricity		%	min 85
Hardness (Shore D)			50-65
Melting Point (Deg. C)			327

Values contained in the above table varies with tube sizes and resin properties. Customer shall in no event constitute or imply any warranty, undertaking, express or implied commitment. No liability whatsoever will be accepted with respect to variation in the values reported in the table.

PTFE fine powder compliance: Our rigorous fine powder selection process ensure our raw materials are compliant to:

FDA 21 CFR 177.1550	PFOA free
EU Regulation No.1935/2004, EC 1895/2005	REACH compliant
RoHS Directive 2011/65/EU	USP Class VI

GET IN TOUCH

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Manufacturing unit:

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