



TECHNOLOGY INTERNATIONAL



Venting Solutions



**POREX**  
Filtration Group®

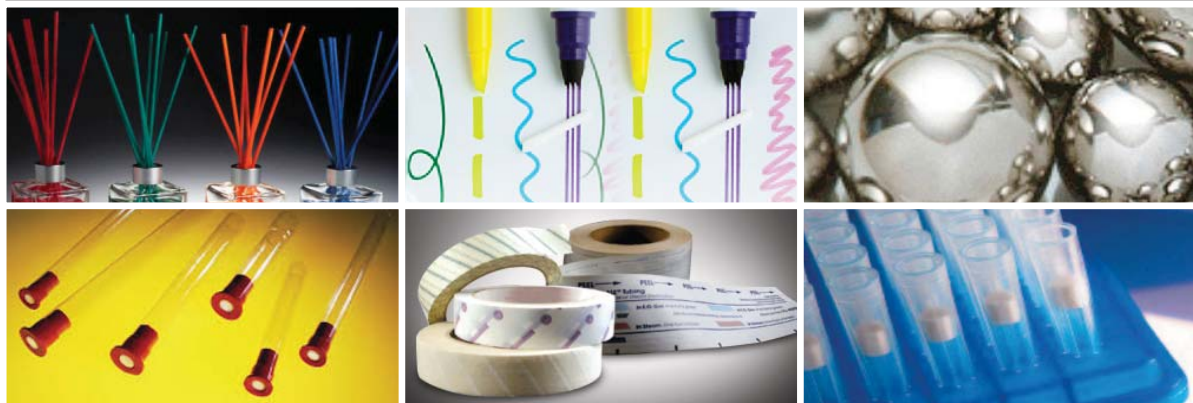
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## Introduction of Technology International

Technology International is involved in Trading and Manufacturing activities. Established in 1993, the head office is based at Vadodara, Gujarat with strong presence PAN India having dedicated resources in Delhi, Mumbai and Hyderabad.

We offer products like :

- Writing Instruments Components : Pen Balls, Inks etc.
- Healthcare Packaging : Sterilization Indicator Inks
- Banking Consumables : MICR Check Printer Ribbons and other Printer Ribbons and consumables
- Porous Plastic Products for Medical, Industrial and Consumer applications
- Venting solutions for Consumer & Industrial applications



## **POREX** – A World leader in Porous Plastics.

Porex creates high value porous solutions that enable customers to do something new, something better or at a lower cost.

Established in 1961, Porex is a World leader in Sintered Porous Plastics. Experts in material science, product design and manufacturing unique custom product solutions, they overcome complex project challenges and enable quicker product launches. Healthcare, Consumer and Industrial market leaders around the world rely on Genuine Porex components because of the high reproducibility of their manufacturing processes, which ensures that the billionth part is the same as the first.

Over 1,300 customers in 65 countries trust POREX to develop and supply their porous material needs.

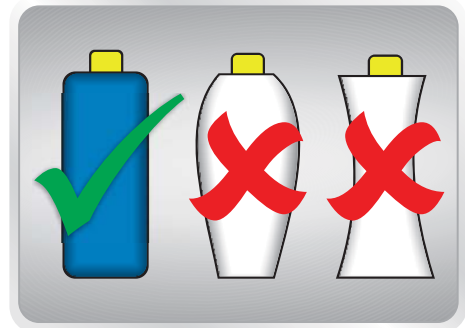


## **PorVent – Venting solutions for Consumer and Industrial applications.**

Technology International is the only “Authorized Convertor” of POREX Technologies in India.

Industrial and consumer containers can bloat, collapse or even explode due to unequalized pressure during processing, transportation or storage. Our vents are designed to enable the container to “breathe” and thereby equalize pressure within the container preventing distortion and damage.

This is also applied to various other industries such as Lighting, Electronics, Medical etc. where flow of air is required but prevention of leakage or ingress is a must. Our Vents are designed for use with solvent or water-based solutions, granular or powder chemicals, food and beverage, or for use with low surface tension fluids such as oils, detergents, surfactants, and more. This can also be made available with an Oleophobic treatment for specialized applications.



### **Facility and Quality Advantage:**

- World-class state of the art facility producing best in class products
- High-end European machinery
- Production team is highly skilled and experienced in handling & processing porous materials
- Rigorous quality test methods ensure that our products are fail proof
- 100% Air-Flow testing & Visual inspection
- Destructive testing – Peel test, Water Intrusion test, Barrel test

### **Applications**

- Chemical containers, Jerry cans, Bottles
- Wads and Liners
- Light fixtures
- Medical equipment – IV Canula, Urine bag, Dialysis equipment etc.
- Consumer products – Bottles, Pouches and Tubes
- Electronics, Electrical systems – IP rated enclosures



## Heart of the System – Porex PTFE Membrane

PorVent Products uses POREX PTFE for its products instead of PP or PE. It is a weldable, breathable, leak-resistant material suitable for Industrial and consumer vented liners and cap closures.

In the 1990's, Porex developed a proprietary PTFE sintering process to manufacture an engineered breathable microporous material that offered a superior alternative to expanded PTFE. Microporous PTFEs manufacturing process results in an intricate network of open-celled, omni-directional pores that offers a higher level of performance compared to ePTFE.

Porex PTFE offers various features and benefits

Features	POREX Microporous PTFE	Expanded PTFE with no support*	Expanded PTFE with support*
Naturally Hydrophobic (IP rated)	Yes	Yes	Yes
Sintered Porous Structure	Yes	ID	ID
High Temperature (>250 °C)	Yes	Yes	No
High tensile strength in all directions	Yes	No	ID
Precise porosity and thickness control	Yes	U	U
High UV and outdoor weather resistance (UL 746C)	Yes	Yes	No
Meets UL 94 flammability (V0)	Yes	ID	No
High open area (>80%)	No	Yes	U
Secondary oleophobic treatment meets AATCC grade 8	Yes	U	U
Water naturally runs off surface	Yes	ID	ID
Benefits			
Low flex fatigue	Yes	No	Yes
Omnidirectional (can be installed any direction)	Yes	Yes	No
Heat welding	Yes	Yes	ID
Vibrational Welding	Yes	No	ID
Can apply physical pressure to membrane	Yes	ID	ID
Can plate metallic or other secondary layers	Yes	ID	ID
Low sound blocking	ID	Yes	ID
Mounting inside or outside of enclosure	Yes	Yes	ID

\* There are numerous suppliers and variations within these classes of materials and some exceptions may occur

**U - Unknown**

**ID – Insufficient Data**



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