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BASF, Permionics introduce high performance face masks

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German firm BASF has joined hands with Vadodara-based membrane manufacturer, Permionics Membranes, to extend, for the first time, the application of BASF's Ultrason E polyethersulphone (PESU) polymer into coated fabrics that serve as particulate and bacterial filter for face masks.

The face masks using the fabric as a middle layer are highly breathable, washable and re-usable unlike conventional face masks. They are designed for usage in the Indian healthcare market.

Permionics selected Ultrason E for its coated fabric, Perma Bioshield. The fabric is made by adhering an antimicrobial coating made of Ultrason E to the matrix of a non-woven fabric as a bonded support.

Ultrason E is a high purity material with low gel and oligomer content that ensures a stable membrane manufacturing process. PESU can be used in a wide pH range (0-13) without deterioration. It is especially suitable for the production of durable hollow-fibre membranes and filters for use in the food, beverage, electronics and pharmaceutical industries.