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shrutipande · 3 weeks ago



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Amrita N96 Nano "Made in India" mask by scientists at Amrita Vishwa Vidyapeetham's Center for Nanoscience and Molecular Medicine is now available in India. Cost-effective masks are said to offer "greater filtration and breathability" than traditional N95 and surgical masks. It can be purchased in a flipkart for 179 rupees (3 packs) and can be washed and reused up to 30 times. Flipkart's official list emphasizes that the Amrita N96 nanomask consists of "a unique nanoengineering filter made of electrospun polycaprolactone (PCL) nanofibers with a diameter of 240 nm." It is said to provide 96% high particle filtration efficiency without compromising breathability, which is two important features of facial masks.

Explaining how the mask works, Dr. Deep Seamenon of Nanoscience and Nanoscience at the Center for Molecular Medicine at Amritabishwavidya Peasam said in a statement: [on the Amrita N96 Nano Mask]Made of cloth derived from polypropylene fibers, it surrounds a nanofiber membrane between them. The unique hydrophobicity of this membrane completely blocks the passage of microdroplets and water aerosols from one side of the layer to the other. This protects the wearer from breathing and infection of respiratory droplets exhaled by others. This washable, durable and reusable mask guarantees 99.9% bacterial and viral aerosol filtration. "

In terms of design, the Amrita N96 Nano Mask features a no-frills design, similar to a surgical mask with a blue cloth. The ear hoops are elastic and fit perfectly regardless of face type. The Amrita N96 Nano Mask is also claimed to have been tested by the South Indian Textile Research Association (SITRA). This is a major laboratory supported by the Ministry of Textiles to test domestic masks and PPEs. Dr. Shanti Kumarnea, Dean of the Center for Nanoscience and Molecular Medicine, added that the unique N96 nanomask is "much more advanced than traditional surgical and N95 masks" in protecting the wearer. I did.