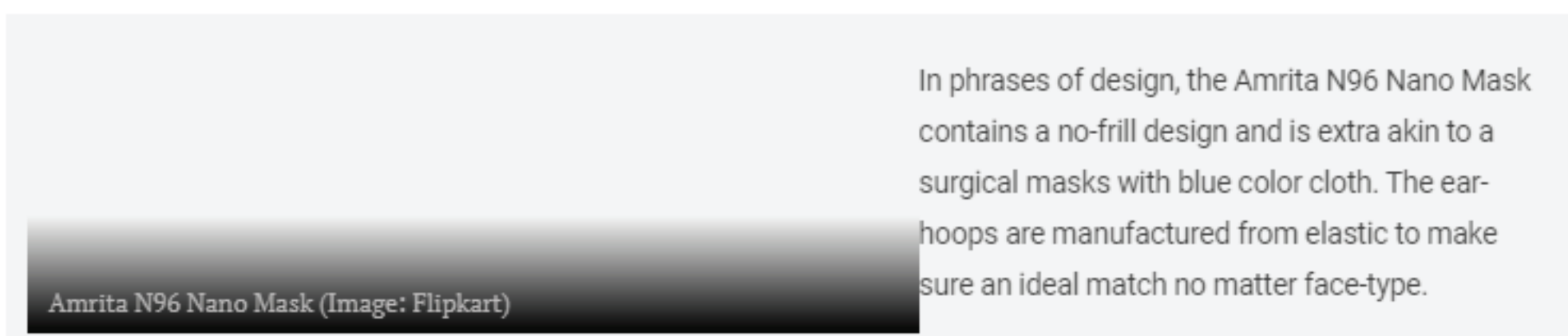


DAILY TECH NEWS

Amrita N96 Nano ‘Made in India’ Mask Unveiled by Amrita Vishwa Vidyapeetham Scientists at Under Rs 200



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Amrita N96 Nano Mask (Image: Flipkart)

In phrases of design, the Amrita N96 Nano Mask contains a no-frill design and is extra akin to a surgical masks with blue color cloth. The ear-hoops are manufactured from elastic to make sure an ideal match no matter face-type.

The Amrita N96 Nano ‘Made in India’ Mask by scientists of the Centre for Nanosciences and Molecular Medicine at Amrita Vishwa Vidyapeetham has been launched in India. The cost-effective masks is claimed to supply “superior filtration and breathability” than the standard N95 and surgical masks. It is accessible to buy on Flipkart at Rs 179 (pack of three) and might be washed as much as 30 occasions to reuse. The official Flipkart itemizing highlights that the Amrita N96 Nano Mask contains a “unique nanoengineered filter fabricated with electrospun polycaprolactone (PCL) nanofibers with diameter 240 nm.” It is claimed to supply excessive particle filtration effectivity of 96% with out compromising breathability – the 2 vital hallmarks of a facial masks.

Explaining how the masks works, Dr Deepthy Menon from Nanosciences, Centre for Nanosciences and Molecular Medicine at Amrita Vishwa Vidyapeetham, stated in an announcement, “These layers [on the Amrita N96 Nano Mask], made of cloth derived from polypropylene fibre, enclose nano-fibre membrane between them. The unique hydrophobic nature of this membrane completely blocks the passage of micro-droplets and water aerosols from one side of the layer to the other. This is what protects the wearer from breathing respiratory micro-droplets exhaled by another person and getting infected. This washable, durable and reusable mask ensures 99.9 percent bacterial and virus aerosol filtration.”

In phrases of design, the Amrita N96 Nano Mask contains a no-frill design and is extra akin to a surgical masks with blue color cloth. The ear-hoops are manufactured from elastic to make sure an ideal match no matter face-type. The Amrita N96 Nano Mask can be claimed to be examined by the South India Textile Research Association (SITRA), the main laboratory backed by the Union Ministry of Textiles to check masks and PPEs within the nation. Dr Shantikumar Nair who’s Dean (Research) with Centre for Nanosciences & Molecular Medicine added that the distinctive N96 Nano Mask is “far ahead of conventional surgical and N95 masks” in offering safety to the wearer.