



Product Description

The i-mask 3-ply surgical face mask is designed for use in the cleanroom/medical environment. Made from 100% virgin Polypropylene. The three-layer construction, using a layer of meltblown polypropylene (MBPP) as filtering media, provides high filtration efficiency. Spun bonded polypropylene (SBPP) for the inner and outer layers ensure comfort and breathability.

Specifications

Width across face	: 175 mm + / - 2 mm
Width	: 90mm + / - 2mm
Pleat depth	: 15 mm + / - 2 mm
Nose strip	: 100 mm + / - 2 mm



Components

Outer layer	: 25 gsm SSS grade Non woven Spunbond Polypropylene (SBPP)
Filter layer	: 20 gsm SSS grade Non woven Meltblown Polypropylene (MBPP)
Inner layer	: 25 gsm SSS grade Non woven Spunbond Polypropylene (SBPP)
Nose strip	: Polypropylene covered iron
Ear loop	: Polyester and Spandex

Compliance

ASTM Level 3 FACE MASK
TYPE II R – SURGICAL FACE MASK

Performance Test

CHARACTERISTICS	TESTING STANDARD	VALUE
BACTERIAL FILTRATION EFFICIENCY	ASTM F2101 EN 14683	BFE > 99%
DIFFERENTIAL PRESSURE	MIL-M-36954C EN 14683 Annex C	< 5 mm H ₂ O < 55 Pa/cm ²
PARTICLE FILTRATION EFFICIENCY @ 0.1µm	ASTM F2299	PFE > 99%
MICROBIAL CLEANLINESS	ISO 11737-1:2018(E)	< 30 cfu/g
FLUID RESISTANCE	ASTM F1862	160 mm Hg
SYNTHETIC BLOOD PENETRATION RESISTANCE 120mmHg (16.0kPA)	ISO22609	>120 mm Hg
FLAMMABILITY	16 CR 1610	CLASS 1 FLAME RATING