INEX™

The Ultimate Reusable Face Mask

2020

TECHNICAL DATA SHEET

INEX™ RESPILON® RESPIRATORY SHIELD

www.inexmask.co.za

Full system identification

Product name: INEX™ RESPILON® Respiratory Shield
Product use: A respiratory face mask for personal and industrial use.

Date of Publication:
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RESPILON® antismog scarf was developed as a headwear for protection of users from atmospheric particulate matter, diesel fumes, dust, smog, bacteria, viruses, mildew spores, pollen and other allergens that can endanger human health.

Manufactures details

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Product information: +27 10 493 9217
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RESPILON® 57 RESPIRATORY SHIELD	
Composition and structure:	LYCRA 175 g/m² (90% polyester, 10% elastane)

RESPILON® 57 MEMBRANE
Printing colours are in compliance with Oeko-tex standard 100

NOT APPLICABLE TO CHILDREN UNDER 2,5 AGE

1 - Identification

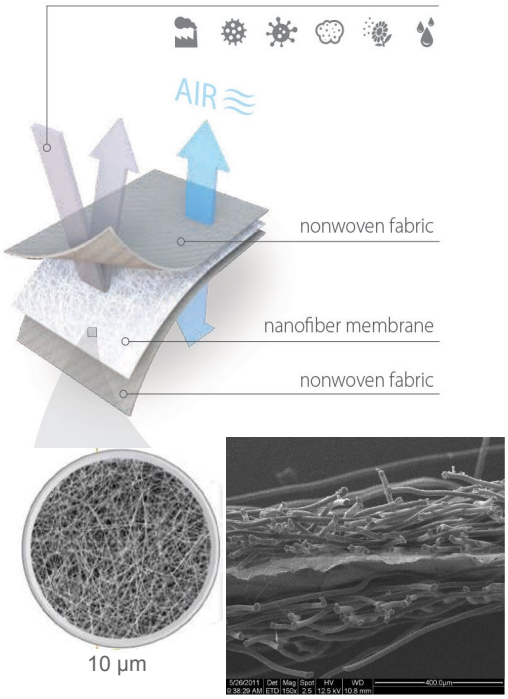
The functionality and mechanical filtration of dangerous particles is guaranteed by the RESPILON® 57 Membrane which is incorporated into the scarf made from high quality cotton.

2 - Face fit

To achieve the best possible protection, the scarf needs to fit perfectly over nose and face. This is ensured by the adjustable nose clip which makes sure that all the inhaled air goes through the nanofiber membrane. Scarf is also made as one-size for adults and children and this is because of elastic band and plastic spring cord lock.

RESPILON® 57 membrane - barrier according micro-organism penetration

Product name: INEX™ RESPILON® 57



RESPILON® 57
Composition and structure
Four-layered textile laminate
1 - Polyprophylene spunbond
2 - Polyprophylene meltblown
3 - Nanofibers layer
4 - Polyprophylene spunbond

Layers composition description:				
		Measurement	Unit	Notes
Outer layer	PP spunbond /meltblown	37	g/m²	sb/mb
Inner layer	Nanofibers layer of polymer PVDF /*			nv
Outer layer	PP spunbond	20	g/m2	sb

/* PVDF = Polyvinyliden Fluorid

The membrane is a four-layer laminate with an inner layer formed by high-density nanofibers. The RESPILON® 57 efficiency of the filtration of micro-organisms and particles has been tested and proven by nelson laboratories (Usa). Filtration efficiency of the whole antismog scarf has been tested and proven by engineering test institute (Czech republic). Despite the high density of nanofibers, RESPILON® 57 is quite air-permeable and vapor-permeable, which increases the comfort of the product and enables easy breathing of the user also while running, biking etc.

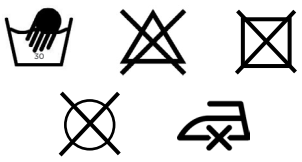
3 - Technical data

RESPILON® 57			
Technical parameter	Reading	Unit	Testing method
Area weight	60	g/m²	
Bacterial filtration efficiency	99.9	%	ASTM F2100
Viral filtration efficiency	99.9	%	ASTM F2100 EN 14683
Breathability	44	ΔP (Pa/cm²)	ASTM F2100 EN 14684
Skin irritability	0	-	EN ISO 10993-1

Material RESPILON® 57 was tested with above stated results in nelson laboratories. Results are available in protocol no. VFE 668204 , BFE 666318.

4 - Principles for washing

1. Hand wash only in warm water (up to 30 °C) using washing powder or washing soap.
2. Do not use bleach, bile soap, fabric conditioner or other water softeners.
3. Do not dry clean.



RESPILON® Respiratory Shield was engineered for 5 washing cycles, when treated properly according to recommendation above.

INEX™
REUSABLE FACE MASK

RESPILON® R-shield are available in these patterns: