

TECHNICAL DATA SHEET

RESPILON® RESPIRATORY SHIELD

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ONE SIZE FITS ALL



PRODUCT NAME:

**RESPILON®
RESPIRATORY SHIELD**

COMPOSITION AND STRUCTURE:

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**

RESPILON® nanofiber
filtering membrane

filters 99 %
of diesel fumes

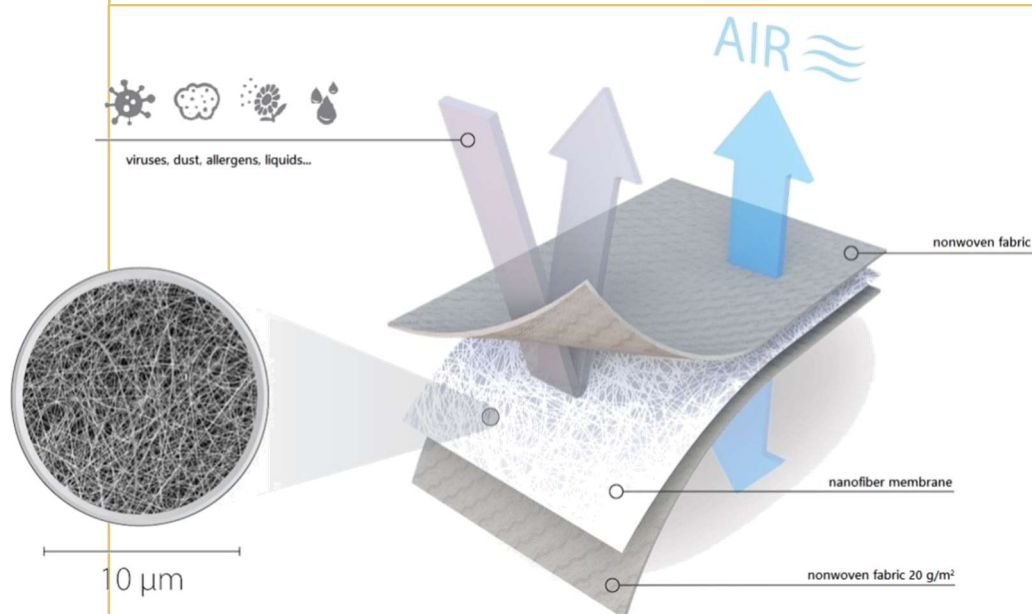
RESPILON® ANTISMOG SCARF WAS
DEVELOPED AS A HEADWEAR FOR PROTECTION
OF USERS FROM ATMOSPHERIC PARTICULATE
MATTER, DIESEL FUMES, DUST, SMOG, BACTERIA,
VIRUSES, MILDEW SPORES, POLLEN AND OTHER
ALLERGENS THAT CAN ENDANGER HUMAN
HEALTH.

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.

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 ONESIZE FOR ADULTS AND CHILDREN AND THIS IS BECAUSE OF ELASTIC BAND AND PLASTIC SPRING CORD LOCK.

RESPILON® 57 MEMBRANE - BARRIER ACCORDING MICROORGANISM PENETRATION



PRODUCT NAME:

RESPILON® 57

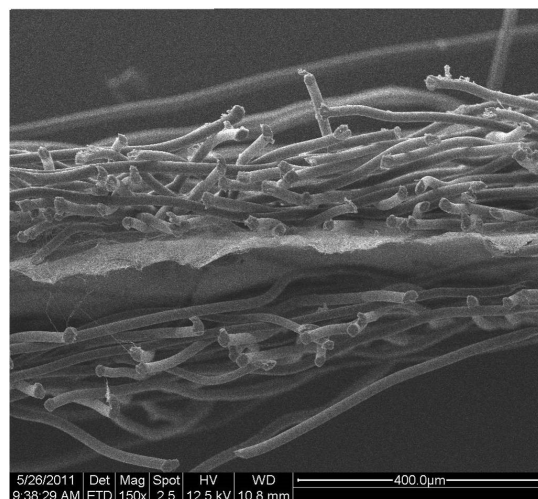
COMPOSITION AND STRUCTURE:

FOUR-LAYERED TEXTILE LAMINATE

POLYPROPYLENE SPUNBOND
POLYPROPYLENE MELTBLOWN
NANOFIBERS LAYER
POLYPROPYLENE SPUNBOND

LAYERS COMPOSITION DESCRIPTION:

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 MICROORGANISMS 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.



LIFE'S WORTH IT...

TECHNICAL DATA FOR RESPILON® 57			
TECHNICAL PARAMETER	READING	UNIT	TESTING METHOD
AREA WEIGHT	60	g/m ²	
BACTERIAL FILTRATION EFFICIENCY	99,9	%	ASTM F2100
VIRAL FILTRATION EFFICIENCY	99,9	%	ASTM F2100 EN 14683
BREATHABILITY	44	ΔP (Pa/cm ²)	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.

RECOMMENDED MAINTENANCE



HAND WASH,
WATER TEMPERATURE NOT ABOVE 30 °C



DO NOT IRON



DO NOT BLEACH



DO NOT DRY-CLEAN



DO NOT DRY IN ANY DEVICE

RESPILON® Respiratory Shield was engineered for 50 washing cycles, when treated properly according to recommendation above.



LIFE'S WORTH IT...

RESPILON® Respiratory Shield are available in these patterns:



SUPPLIER:	
COMPANY NAME	RESPILON GROUP S.R.O.
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LAST REVISION	FEBRUARY 12, 2019